

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed ✓

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 2/1/79

Location Inspected

Bond released

State or Fee Land

LOGS FILED

Driller's Log..... ✓

Electric Logs (No.)..... ✓

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CELog..... CCLog..... Others.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Energetics, Inc.

3. ADDRESS OF OPERATOR

333 W. Hampden Ave. Suite 1010, Englewood, CO 80110

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

Lot 4 (660' FSL & 651' FWL) Sec. 18

At proposed prod. zone

As above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

22 miles south Emery, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

651'

16. NO. OF ACRES IN LEASE

637.84'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1st well

19. PROPOSED DEPTH

3990'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5901' GRD

22. APPROX. DATE WORK WILL START*

On approval of Permit

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

9. No H₂S gas expected. No abnormal pressures expected. Moenkopi pressure gradient .19 psi/ft.

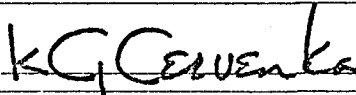
10. Starting date: On approval of permit, surface use plan, & rig availability.

11. Completion of the well will be with a workover rig after the drilling rig is removed. Normal completion will consist of perforating the 4½" casing and fracture treating with a water-sand mixture. As a non hazardous mixture will be used the approved drill site will be of sufficient size for all completion activities.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED



TITLE

Operations Manager

DATE

July 31, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

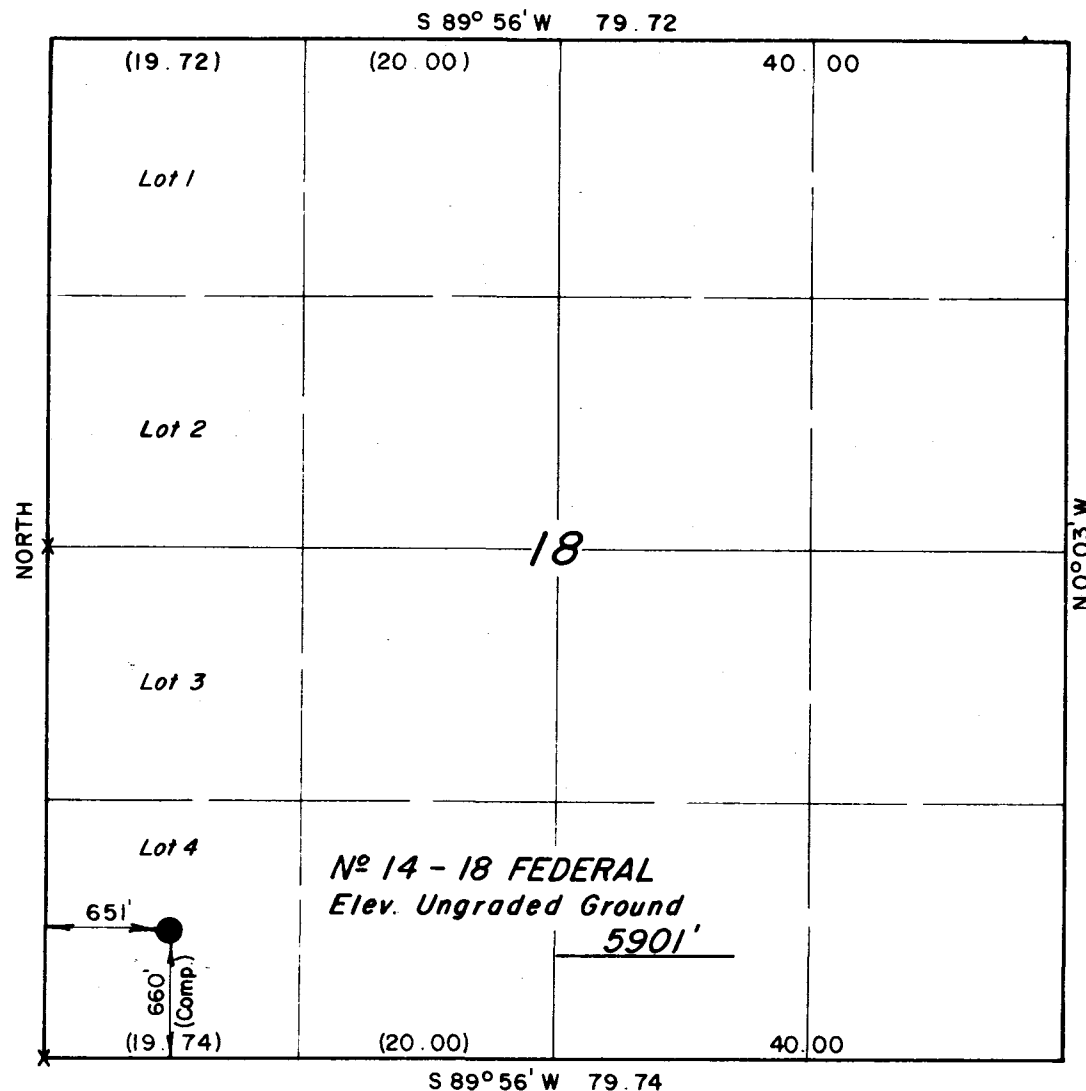
*See Instructions On Reverse Side

T25S, R6E, S.L.B.&M.

PROJECT

ENERGETICS INC.

Well location located as shown in
Lot 4 Section 18, T25S, R6E, S.L.B.&M.
Emery County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF

[Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 7/11/78
PARTY N.J.M. K.H. H.M. BFW	REFERENCES GLO Plat
WEATHER Fair Hot Windy	FILE ENERGETICS INC.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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b. TYPE OF WELL

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WELL ☐GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

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PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

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PROPOSED CASING AND CEMENTING PROGRAM

4.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	9 5/8" New	36# K-55	250'	Volume to cement to surface
8 3/4"	7" New	20# K-55	3125'	150 sx
6 1/8"	4 1/2" New	10.5# K-55	3990'	Volume to cement to cover upper most productive pay

1. Surface Formation: Uinta Formation.

2. Est. Tops: Navajo 1090', Kayenta 2130', Wingate 2270', Chinle 2620', Upper Moenkopi 3005', Moenkopi Ledge Member 3370'. Sinbad 3660', Lower Moenkopi 3750', & Kiabab 3890'.

3. Est. Depth of gas: Unknown. Fresh water zones will be recorded & protected w/7" & 4 1/2" casing.

5. Pressure Control: 10"-3000 psi C.I.W. BOP, Rotating head & 10" x 3000 psi casing head. Pressure tested on installation and operationally daily.

6. Drilling Fluid: Fresh water & gel 0-250'. Air w/polymer & additives 250-3125', & air w/polymer & additives 3125-TD. Visual monitoring.

7. Auxillary equipment: Upper Kelly cock, bottom & string floats, and a stabbing valve on the floor will be available.

8. Well will be evaluated by air drilling. Logs run will be a Gamma Ray-Induction & CNL-Density log.

Con't on Page 2

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24.

SIGNED

K. G. Cervantes

TITLE

Operations Manager

DATE July 31, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

[Signature]

TITLE

ACTING DISTRICT ENGINEER

DATE

OCT 5 1978

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

Page TO OPERATOR'S COPY

*See Instructions On Reverse Side

NECESSARY FLARING OF GAS DURING DRILLING AND
COMPLETION APPROVED SUBJECT TO ROYALTY (NTE-4)

COM: DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-20474

OPERATOR: Colorado
Energetics, Inc.

WELL NO. 14-18

LOCATION: 1/4 SW 1/4 SW 1/4 sec. 18, T. 25 S., R. 6 E., SIM

Emery County, Utah

Stratigraphy: Surface rocks should be Quaternary gravels underlain by the Entrada Fm, otherwise operator projected tops appear reasonable.

Fresh Water: Usuable fresh water may be encountered in sands above the Chinle Fm.

Leasable Minerals: None expected.

Additional Logs Needed: None

Potential Geologic Hazards: None expected

References and Remarks: USGS Files Salt Lake City, Utah, USGS Map I-591.

Signature: James B. Valer Date: 08 - 14 - 78

Oil and Gas Drilling

EA No. 1300-78

United States Department of the Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. U-20474

Operator Energetics, Inc.

Well No. 14-18 Federal

Location 660' FSL-651' FWL (Lot 4) Sec. 18 T. 25 S R. 6 E SLM

County Emery State Utah Field Undesignated

Status: Surface Ownership Federal Minerals Federal

Joint Field Inspection Date September 13, 1978

Participants and Organizations:

Gary Stephens

U.S. Geological Survey

Mark Mackiewicz

Bureau of Land Management

E. L. Freund

Energetics Inc.

Carl Hunt

Hunt's Service

Carl Chrisco

Karmack Drilling Co.

Related Environmental Analyses and References:

(1) EA's, 1301-78, 1302-78

(2)

*Pod 300 x 210
Pit 150 x 150
100' new access
Flow line not used
Stockpile Topsoil
2.2 ac*

Analysis Prepared by:
Gary Stephens
Environmental Scientist
Albuquerque, New Mexico

Date September 14, 1978

Reviewed by:
Lynn Rust
Environmental Scientist
Casper, Wyoming

*Noted
George Drwachak
9/26*

Proposed Action:

On August 4, 1978, Energetics Inc. filed an Application for Permit to Drill the No. 1418 Federal exploratory well, a 3,990foot (oil and gas) test of the Moenkipi and Kaibab formations; located at an elevation of 5,901 ft. in Lot 4, Sec. 18, T. 25 S, R. 6 E, Energy Co., Utah on Federal mineral lands and Federal surface; lease No. U20474. There was no objection raised to the wellsite, nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Freshwater sands and other mineral-bearing formations would be protected. A Blowout Preventer would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL6 10Point Subsurface and 13Point Surface Protection Plans are on file in the U.S.G.S. District Office in Salt Lake City and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the Bureau of Land Management, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 310 ft. wide x 300 ft., including a reserve pit 150 ft. x 150 ft. A new access road will be constructed 16 ft. wide x 100 ft. long. The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

If production is established, plans for a gas flow line will be submitted to the appropriate agencies for approval. The anticipated starting date is on approval of application and duration of drilling activities would be about 10 days.

Location and Natural Setting:

The proposed drillsite is approximately 22 miles south of Emery, Utah, the nearest town. A fair road runs to within 200 feet south of the location. This well is in an undesignated field.

Topography:

Flat basin bottom with very gentle slope to northwest. Desert country.

Geology:

The surface geology is the Uinta Formation. The soil is silty sand. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs will be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drill muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a silty sand to a sandy loam. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 2.2 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location; however, data from the White River Shale Project infers that the existing air quality relative to federal Ambient Air Quality Standards is good. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rain fall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and steady, occurring predominately from south to north. Air mass inversions are rare.

The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

None

Some additional erosional would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems.

The potentials for pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basis information as all shows of fresh water should be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B.

The depths of fresh-water formations are listed in the 10-Point Subsurface Protection Plan. There would be no tangible effect on water migration in fresh-water aquifers. The pits would be unlined. If fresh-water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Native Grasses. Indian ricegrass, Mormon tea, fourwing saltbrush, micebrush.

Plants in the area are of the salt-desert-shrub types.

Proposed action would remove about 2.2 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Small mammal.

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominantly of the mule deer, coyotes, desert fox, rabbits, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep.

The birds of the area are raptors, finches, ground sparrows, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be earthtoned to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are not significant in Emery Co., Utah. But should this well discover a significant new hydrocarbon source, local, state and possibly national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the well site be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

Land Use:

Livestock grazing.

There are no national, state or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the drilling operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternatives to the Proposed Action:

(1) Not approving the proposed permit -- The oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and sub-surface would be prevented as much as possible under U.S.G.S. and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of (oil and gas) should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the well site and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at

the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 2.2 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to the Dirty Devil River would exist through leaks and spills.

Determination:

This requested action does not constitute a major federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(C).

10/4/78
Date

E. W. L. [Signature]
District Engineer
U.S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date: Aug. 8-
Operator: Chergeton Inc.
Well No: Sec. 14-18
Location: Sec. 18 T. 25S R. 6E County: Cuery

File Prepared: ☒
Card Indexed: ☒

Entered on N.I.D.: ☒
Completion Sheet: ☒

API NUMBER: B-015-30060

CHECKED BY:

Administrative Assistant Jed

Remarks: No other well ownership - Outside spaced area

Petroleum Engineer P

Remarks:

Director Z

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: ☒
Order No. ☐

Survey Plat Required: ☐
Surface Casing Change ☐
to ☐

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site ☐

O.K. Rule C-3 ☒ O.K. In ☐ Unit ☐

Other:

☒ Letter Written/Approved

August 9, 1978

Energetics, Inc.
333 W. Hampden Avenue
Suite 1010
Englewood, Colorado 80110

Re: Well No. Federal 14-18
Sec. 18, T. 25 S, R. 6 E,
Emery County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-015-30060.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey

January 5, 1979

MEMO TO FILE

Re: ENERGETICS, INC.
Well No. Federal 14-18
Sec. 18, T. 25S, R. 6E

This office was notified on the above date that Energetics, Inc. spudded their Federal 14-18, Sec. 18, T. 25S, R. 6E on Thursday, Jan. 4, 1979.

The drilling contractor will be Carmack Drilling Company, and they will use their Rig #10.

The well was spudded at 11:00 p.m.

CLEON B. FEIGHT
DIRECTOR

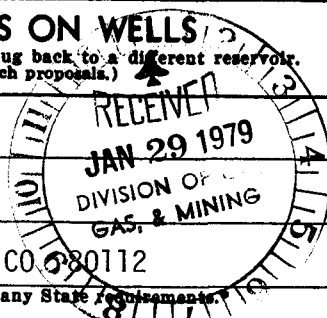
CBF/lw
cc: U.S. Geological Survey
State Industrial Commission

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-20474	
2. NAME OF OPERATOR Colorado Energetics, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---	
3. ADDRESS OF OPERATOR 102 Inverness Terrace East, Englewood, CO 80112		7. UNIT AGREEMENT NAME ---	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface Lot 4 (660' FSL & 651' FWL) Sec. 18		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. ---		9. WELL NO. 14-18	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5901 GRD		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 18-T25S-R6E	
		12. COUNTY OR PARISH Emery	13. STATE Utah



16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Report of Daily Operations	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

January 5, 1979 - Drilling. Depth 20'. Spudded 11 PM on 1-4-79.
 January 6-7, 1979 - Drilling. Depth 261'. Prep to run 9 5/8" csg.
 January 8, 1979 - Ran 9 5/8" csg to 261' KB & cemented w/100 sx class 'G' + additives.
 January 9, 1979 - Waited on cement. Prep to drill out.
 January 10-14, 1979 - Depth 1250'. Drilled. Losing mud. Raised mud volume. Mixing plug.
 January 15, 1979 - Spotting sand plug.
 January 16-17, 1979 - Depth 1250'. Circ & cond mud. Spotted 6 frac sand lost circulation Plugs.
 January 18-20, 1979 - Drilling Depth 1902'.
 January 21-24, 1979 - Drilling Depth 2669'.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Administrative Coordinator

DATE 1-25-79

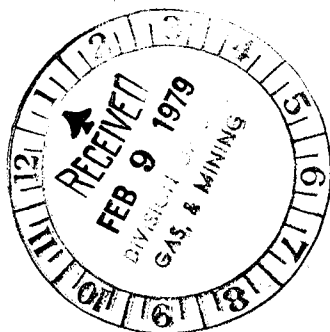
(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



ENERGETICS, INC.

14-18 Federal

SW SW SEC. 18, T25S, R6E

Emery County, Utah

*No initial production
or well status*

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Resume

GENERAL:

Operator	Energetics, Inc.
Well Name & #	Federal # 14-18
Location	sw, sw, Sec 18, T25S, R6E.
Area	North East Chance
County	Emery
State	Utah
Elevation	5900 GI, 5910 FB (est.)
Spud Date	January 4, 1979
Total Depth	January 30, 1979 (4100')
Bottom Formation	Kaibab
Well Status	Run 2" liner and swab upper Kaibab for oil.

PERSONNEL AND SERVICES:

Foreman	Fen Covington (Burkhalter Associates)
Toolpusher	Carl Crisco (Carmack Drilling)
Drillers	J. Maxon, D. Edwards, J. Vanpelt, L. Iane, B. Tow (Carmack)
Air Engineers	G. Wilson, Mike Wilson, Don Smith (Air Drilling Associates)
Mud Engineers	Vernon McNeil, Jim Bernal (American Mud)
Haliburton	Allan Fink for sand plug
Schlumberger	Jay Krubacher
Geologist	David H. Miller (GS Consultants)

ENGINEERING:

Contractor	Carmack Drilling
Equipment	Rig # 10
Drawworks	National
Derrick	EC Moore
Pumps	Emsco D-300 and Ideal C-150
Drill Collars	6 $\frac{1}{4}$ " by 4 $\frac{1}{2}$ " X 0
Drill Pipe	3 $\frac{1}{2}$ " IF (Tool Joint 4 $\frac{1}{2}$ " IF)
Hole Size	12 $\frac{1}{4}$ " to 261', 8 3/4" 261' to 3115', 6 1/8" 3115 to 4100'
Casing	9 5/8" surface to 256', 7" 256' to 3112.46'
Air Type	Air and Air Mist (261 to 1250' and 3115 to 4100')
Mud Type	Gel-Polymer (1250 to 3115')
Electric Logs	Sidewall Neutron Porosity W/ Gamma Ray...TD to 3113
(Schlumberger)	Dual Induction-Interlog w/ gamma Ray ...4095 to 3113 gamma Ray...4095 to 249
	Compensated Formation Density w/ Gamma Ray...both 4097 to 3113

CONCLUSIONS

Energetics, Inc. # 14-18 Federal was drilled to a Total Depth of 4100'. The Bottom formation was the Kaibab Limestone of Permian Age. The upper part of the Kaibab Fm was a sandstone and was encountered at 3950' (subsea +1960) approximately 86' high to the American Liberty Oil Co. correlation well. The sandstone was drilled with a slight break, had abundant dark staining, a yellow orange fluorescence yielding good streaming cuts, and a very petro-
liferous odor. This zone (3950 to 3960) produced no flare (well was air drilled), however after logs were run the hole was unloaded at 2748' with a trace of oil recovery and a lot of oil cut water. The oil is believed to be from the upper Kaibab sandstone.

A 2" liner was run and the Upper Kaibab will be swabbed for oil.

DAILY ACTIVITY SUMMARY

<u>DATE</u>	<u>8:00am Depth</u>	<u>Activity</u>
1-4-79		Rigging up. Drill and set rathole. Drill 3' and set conductor pipe. (spudded at 11:00 pm.)
1-5-79		Drilling surface hole with caving problems. Set dust deflector.
1-6-79		Drilling and reaming surface hole to 12 $\frac{1}{4}$ '. Repair rotary chain and table. Repair drive line. Drill and condition hole.
1-7-79	261'	Finish drilling surface hole. Wait on cementers. Run 9 and 5/8" surface casing. Cement. Job complete at 5:00 pm. Wait on cement.
1-8-79	261'	Waiting on cement. Cut off pipe and weld on casing head. Nipple up BOP. Light plant down. Boiler down. Hook up flow line.
1-9-79	261'	Finish nipling up. Thaw lines. Thaw collars. Thaw Kelly. Thaw rathole! Test BOP. Drill cement and plug. Out from shoe at 11:00 am. Encounter water flow immediately. (3-5 bbl/hr.) Air mist injecting 7 bbl/hr. Drilling Carmel Fm. and running survey. Trip bit 6.
1-10-79	922	Finish Trip. Drilling Lower Carmel Fm. Run surveys perform rig service. Hole making slightly more water with depth. Sample top Navajo Sandstone at 1090'. Break at 1130' produces large water flow.
1-11-79	1250'	Drilling Navajo. Mist pump goes down. Trip Bit 7. Decision from Denver: change from air mist to a drill with mud. Rig repairs. Rig pits up, build mud and condition mud.
1-12-79	1250'	Trip in hole with Bit # 8. Encounter bridge at 677'. Work pipe and trip out. Having trouble with returns. Circulate and condition mud. Having returns above 677' and lost circulation somewhere below. Pump a Magneset Plug to cure lost circulation problem.
1-13-79	1250'	Wait on Magneset Plug. Condition mud and ream to bridge at 677'. Clean out bridge and lose returns. Trip out. Hole tight 677 to 600'. Build more mud.

<u>DATE</u>	<u>DEPTH 8:00am</u>	<u>ACTIVITY</u>
1-14-79	1250'	Build and condition mud. Try second Magneset Plug. Hit bridges at 655' and 663'. Pump plug and wait on plug. Trip in 1 stand at a time. Break circ on each stand. Drill bridges and lose circulation at 690'.
1-15-79	1250'	Build and condition mud. Call Haliburton and try a Sand Plug. Run 6 plugs. 20bbl slurry each with 5 sx gel, 5000# sand. Plugs 3,4,5 and 6 had 10sx mica. Each plug displaced with 5 bbl. of water. Gaining ground. After first plug TD=1194, after second TD=1190, after third TD=1134, after fourth TD=1129, after fifth TD=1119, after sixth TD=1115.
1-16-79	1250'	Build and condition mud. wait on sand. Trip in and wash through bridges. Trip out. Mix mud and LCM. Trip in and pump 6 20bbl slurry: 250 gel, 5800# sand, displaced with 5 bbl. water. Trip out. Condition mud.
1-17-79	1250'	Trip in and condition mud slowly. Ream to bottom and drill sand plug. At 4:00 pm. resume drilling !!
1-18-79	1515'	Drilling Navajo Sandstone. Running surveys occasionally. Performing routine rig service. DS @ 1735 off 4°.
1-19-79	1735'	Trip out Bit 8. Dump and clean pits. Build and condition mud. Slip drill line. Trip in Bit 9. Drill and Survey @ 1810 off 4°. Drilling Navajo and Kayenta Fm's.
1-20-79	1920'	Wait on water. (snowdrifts close road). Drill. Losing approx. 3 bbls mud per hour. Survey @ 1920 off 4°. Trip out Bit 9 and trip in RR 8. Drilling Kayenta. Top Wingate. Note: make 15' Depth correction uphole on trip.
1-21-79	2182'	Repair rod on pump, then discover pipe differentially stuck. Air mud up and pull free (7:00 am to 2:00 pm) Drilling Wingate and losing 10 bbls mud per hour.
1-22-79	2369'	Drilling Wingate with no problems. Trip bit 10.
1-23-79	2548'	Top Chinle at 2542. Finish tripping Bit 10 and trip in Bit 11. Drilling Chinle shales.
1-24-79	2675'	Drilling middle Chinle with no problems.
1-25-79	2866'	Drilling lower Chinle and Top Moenkopi at 2938. Drilling with no problems.
1-26-79	3085'	Drilling Upper Moenkopi with no problems. Drill to 3115, shut down to run casing. Condition mud.

<u>DATE</u>	<u>8:00am DEPTH</u>	<u>ACTIVITY</u>
1-27-79	3115'	Run casing (7") to 3112 and cement.
1-28-79	3115'	Nipple up. Test BOP's. hookup blowline. Pick up collars and trip in with BIT 12. Drill cement.
1-29-79	3282'	Air drilling Moenkopi. Hole damp @ 3765. Switch to air mist.
1-30-79	4019'	Air misting lower Moenkopi and top Kaibab Ls. Td well @ 4100. Trip out to run logs.
1-31-79	TD of 4100	Finish logging. Wait on orders. Trip in to 2748' blow hole and recover trace of oil. Trip in to 3128' blow hole and recover oil cut water. Trip in to 3189' blow hole and recover oil cut water. Trip out to 2789' and blow hole.
2-1-79	Total Depth.	Wait on orders. Trip in to 3130' and blow hole with recovery of small amount of oil. (estimate 1 bbl.) At 3130 it took 15 minutes and 550 lbs. to unload hole.

FINIS

FORMATION TOPS

Elevations: American Liberty Oil Co. Gov't # 1 KB + 5953.
 Energetics Federal 14-18 KB 5910 (est.)

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>	<u>Relation to American Liberty Oil Co. Gov't # 1.</u>
Entrada	surface		
Carmel	surface casing		
Navajo	1090	+ 4820	+147
Kayenta	1850	+ 4060	+134
Wingate	2050	+ 3860	+120
Chinle	2542	+ 3368	+138
Moenkopi	2938	+ 2972	+147
Kaibab	3950	+ 1960	+ 86
Total Depth	4100	+ 1810	

Note: These are not electric log tops. The tops were picked by geologist in field from sample descriptions and penetration rate.

SAMPLE DESCRIPTIONS

Sample Program: 30' samples to 2000'. 10' samples 2000' to total depth.

- 275-305 100% Slist. red brn, frm, non to vs/calc and grdng to a red brn vfg wl srted, mod cmted, vs/calc SS.
- 305-335 50% Sltst. red brn and grdng to a vfg SS a/a interbedded with 50% SH. gy-grn, frm, vs/calc, sandy i/p and also grdng to a vfg SS. abun xtln ANHY.
- 335-365 80% SLTST. gy-grn, frm, non-vs/calc. grdng to a vfg SS and also into a green clayey SH. 20% wh, clr, xtln ANHY.
- 365-395 50% Sltst. red brn, frm, vs/calc. occ dk min inc.
50% SH gy-grn, sft, claylike, more calc than above.
- 395-425 100% SH. gy-grn, sft, clayey, a "claystone".
- 425-485 90% SLTST. gy-grn, sft, dns, calc., occ sndy i/p.
10% wh, clr, xtln ANHY.
- 485-565 100% SH. gy-grn, v/clayey, frm, calc, sndy i/p. TR CHERT. red, orange, v/hd.
- 565-595 80% SH. gn claystone as above. 20% cl., xtln, ANHY.
- 595-625 90% SH gy-grn, frm, calc, sndy i/p. 10% ANHY. clr, xtln. TR CHERT.
- 625-655 80% SH. green claystone as above. 20% wht, sft-frm, xtln ANHY TR CHERT, hd, red. TR SALT ?
- 655-685 70% SH green claystone pred a/a but sandier. 20% ANHY a/a.
10% SS mottled, vfg, wl srted, prly cmted, calc, grdng to sltst.
- 685-715 100% SH gy, gn, sft-frm, dns, calc, clayey, v/sndy i/p.
Abun ANHY, Tr Chert, Tr SS, Tr Dolo Ls ?
- 715-745 100% SH lt gn, gy, frm, dns, v/calc, mica i/p. grdng to clay and a gn sltst.
- 745-805 100% SH a/a.
- 805-835 100% LS lt gy-tan, frm, dns, featureless, dirty-argil. TR Chert
- 835-865 50% LS lt gy, featureless a/a interbedded with 50% SH gy-grn, sft-frm, dns, calc, sndy i/p. Tr Chert, One Frag mg, uncon quart., grain, sub rnd.

- 865-925 50% SH gn, frm, dns, wxy, calc, sndy i/p and grdng to a
50% SLTST gy-gn, occ red brn, sft, calc, clayey, sndy i/p.
Abun SS off wht, vfg, rnd, wl srted, prly to mod cmted, calc,
occ glauc. Tr Chert and Ls.
- 925-955 100% SS pred vfg, rnd-sub rnd, uncon ss, grains are frosted.
looks like a powdered arkosic sandstone i/p. some dk min inc.
Tr. pyrite.
- 955-1015 80% SS frosted, tan, vfg, sub rnd, sub ang, loose sandstone.
20% SH gn, frm, dns, wxy, calc. clayey to sndy and finely in-
terbedded with the sand.
- 1015-1045 60% SS clr, frosted, vfg, sub ang, pred uncon to broken quartz grains.
30% SH gy, gn, frm, dns, wxy, calc, clayey-bentonitic.
10% ANHY clr, xtln, frm. Tr Ls and Tr Chert.
- 1045-1075 50% SLTST red, v/hd, v/well cmted, calc. occ green stain (chlorite?)
30% LS tan, lt gy, v/hd, dns, tite, xtln. some gn stain
also (chlorite?) some mineral flu.
10% SH gn, dns, wxy, calc a/a. and 10% SS clr, tan, fg to vfg
uncon to broken quartz grains.
- 1075-1105 100% SS clear, clean, frosted, uncon, vfg to fg, sub rnd to
sub ang sand.
SAMPLE TOP NAVAJO SANDSTONE 1090 (subsea +4820)
- 1105-1135 100% SS clear, clean, frosted, vfg-fg, occ med grain (ie
prly srted) pred sub rnd, occ sub ang, uncon quartz grains.
- 1135-1165 100% SS a/a.
- 1165-1195 80% SS frosted, fg, sub rnd, a little better srted, not totally
uncon, some prly cmted, v/calc. Sand interbedded with stringers
of 20% SH pale gn, bentonitic, v/calc, sft-frm, wxy.
- 1195-1225 90% SLTST lt gy, gn, frm, calc, bentonitic i/p, grdng to a
vfg ss and a sndy sh.
10% SS pred uncon a/a.
- 1225-1250 No Sample
- 1250-1310 Poor sample quality. Contaminated by Haliburton Sand Plug.
and cavings. 60% SH gn, frm, wxy, vs/calc. 20% CHERT red, orange,
v/hd. 20% SS tan, hd, dns, tite, really a quartzite.
- 1310-1370 Sample quality slightly improved. 60% SH gn, frm, dns, wxy-
clayey, vs/calc, silty i/p, sndy i/p. 30% SS: lt gy, clear,
frm-hd, fri, vfg, pred sub ang, mod to prly srted, mod cmted,
n/calc, occ dk min inc, occ pebbles, occ SS grades to quartzite.

- 1370-1430 Sample quality good. Representative samples.
70% SS clear, occ orange cast, frm-hd, fri, vfg, pred sub ang, mod to prly srted, mod cmted, n/calc, some dk accessory min, grding to a sltst and a sandy sh.
30% SH gn, frm, dns, wxy, vs/calc, sndy i/p.
- 1430-1490 100% SS clear, tan, cream, clean, occ gy and orange cast, vfg, sub ang, mod to prly srted, prly cmted, non/calc, fri.
- 1490-1550 100% SS wht, clear, occ tan-gy, vfg, sub rnd-sub ang, prly to mod srted, prly to mod cmted, vs/calc. Tr gn sh, chert and sltst.
- 1550-1580 90% SS wht, clear, pred a/a.
10% SH brn, dns, wxy, clayey, calc and grding to a brn sltst.
Tr chert, tr dk gy ss with abund dk min inc, v/pyritic (?)
- 1580-1640 Color change from wht to pred tan, lt brn and cream ss.
100% SS tan, buff, fg to occ med grain, sub rnd to sub ang, mod srted, mod cmted, pred non/calc, v/clean. NOSFC.
Tr chert, sh and sltst.
- 1640-1700 100% SS wht-tan, clean, frm, fri, vfg-fg, sub rnd- sub ang, prly srted, prly-mod cmted, non/calc, occ fine orange laminations.
Tr gy bentonitic shale.
- 1700-1730 100% SS pred a/a some sand has wht clay fill.
- 1730-1760 60% SS a/a.
20% SH gy, frm-hd, dns, bentonitic, calc i/p.
10% Chert wht, orange, dns, v/hd.
10% Quartz and Quartzite, clear, pink, gy, hd, dns.
- 1760-1790 90% SS wht, tan, fri, vfg-, mod srted, mod cmted, pred non/calc, dense, less clay fill.
10% SH gy, dns, frm, bentonitic.
abund chert.
- 1790-1820 90% SS a/a slightly better cemented.
10% SH gy, brn, maroon, frm, dns, grding to a sltst.
- 1820-1850 100% SS wht, frm, fri, vfg, sub ang, mod srted, mod cmted, non/calc, clean.
- SAMPLE TOP KAYENTA 1850 (subsea + 4060)
- 1850-1910 50% "navajo sand" a/a
50% new SS orange, pink, lt tan, hd, vfg, sub ang to ang, mod to wl srted, wl cmted, vs/calc.
abund qrtz frags and chert.
- 1910-1940 80% SS orange cast, pink, hd, vfg, ang, mod wl srted, wl cmted, vs/calc, quartzic i/p.
20% "navajo ss" wht, tan, frm, fri, vfg, sub rnd-sub ang, prly srted, prly cmted, non/calc.

1940-1970	100% SS wht, pink cast, frm-hd, vfg, sub ang, mod srted, wl cmted, non-vs/calc, clean. nsofc.
1970-2000	100% SS wht, pink, frm-sft, sub rnd, sub ang, mod srted, prly cmted, non/calc, clean, fri.
2000-2010	100% SS wht, frm-sft, fri a/a.
2010-2020	No Sample
2020-2030	Poor sample, contaminated with frac sand from plug.
2030-2040	90% SS wht, pink, frm, vfg, sub rnd to sub ang, mod srted, mod to prly cmted, pred n/calc, clean. 10% Dolo and DOLO LS wnt, pink, clean, dns, hd, massive.
2040-2050	70% SS as above 30% DOLO and DOLO LS wht, pink, clean, dns, hd, massive. SAMPLE TOP WINGATE FM. 2050 (+3860)
2050-2060	40% SLTST red, frm, dns, non/calc. 20% SS red and clear mottled, sft-frm, vfg, sub rnd to sub ang, mod srted, prly cmted, uncon i/p, non to vs/calc i/p, v/slty. 20% SS wht, clear, clean, frm, fri, vfg, sub ang, prly srt, mod cmted, non/calc. 10% SH gn, dns, frm-hd, non/calc, sndy. 10% DOLO wht, pnk, clean, dns, hd. cherty i/p.
2060-2070	60% SS red and clear mottled as above 30% SLTST red, frm, dns, non/calc. 10% SH gn, dns, frm-hd, non/calc, sndy i/p. Tr dolo and chert.
2070-2080	80% SS red and clear mottled as above grding to a wht, clean, vfg, sub rnd to sub ang, mod srted, prly cmted, non/calc, with either occ gn clay fill or vs/glauc i/p. 20% SLTST red, gn, frm, dns, non/calc, sndy i/p.
2080-2090	80% SS pred back to wht, tan, frm-hd, vfg, sub ang, prly srted, mod wl cmted, vs/calc, clean. 20% SLTST red brn, maroon, frm, dns, pred non/calc. Tr dolo wht, hd, dns, tite, clean.
2090-2100	50% SS (larger grain size and better sorting) wht, frm, fg, sub ang, mod wl srted, mod cmted, vs/calc i/p, vs/glauc i/p. 50% SLTST red, frm, dns, non/calc. tr dolo a/a.
2100-2110	80% SS pred wht as above but occ green cast due to gn clay fill. 20% SLTST red, frm, dns, non/calc.

- 2110-2130 80% SS pred wht, tan, buff, frm, fri, fg, sub ang, prly srted, prly-mon cmted, vs/calc i/p, abun gn clay fill. Tr sndy dolo, grding into a v/hd, tite, vfg, wl srted, wl cmted, sandstone. 20% SLTST red, frm, dns, non/calc.
- 2130-2140 80% SS pred a/a, occ red cast due to red silt in ss. 20% SLTST a/a.
- 2140-2160 100% SS 70% orange, orange frost, frm, fri, vfg, sub rnd, mod wl srted, prly cmted, non/calc to vs/calc. 30% wht a/a.
- 2160-2180 100% SS color change from orange cast to purple cast, vfg- fg, sub rnd-sub ang, mod-prly srted, prly cmted.
- 2180-2200 100% SS orange cast, purple cast, vfg, sub rnd-sub ang, mod-prly srted, mod-prly cmted, non/calc.
- 2200-2230 100% SS pred a/a, some wht ss, vfg, sub rnd-sub ang, mod srted, mod cmted, non/calc.
- 2230-2240 100% SS wht, vfg, sub rnd-subang, mod srted, mod cmted, n/calc.
- 2240-2250 50% SS wht, vfg a/a. 50% SS orange and purple cast a/a.
- 2250-2300 100% SS pred lt tan, pink, grding to red, vfg, sub ang, mod wl srted, prly cmted, non/calc, fri, tr red sltst and tr either a sndy dolo or a wl srted and wl cmted vs/calc ss.
- 2300-2450 100% SS massive section of orange red, red brn, frm, occ hd, pred mod wl srted, mod cmted, non to occ vs/calc, slty i/p, occ specks of dk min.
- 2450-2500 100% SS same massive sand a/a. orange, pink, salmon, frm-hd, fri, brittle, vfg, pred sub rnd, mod wl srted, mod cmted, pred non/calc. specks of dk minerals. tr anhy.
- 2500-2540 100% ss orange a/a, occ a little more angularity in the sand.
- SAMPLE TOP CHINLE 2542 (subsea +3368)
- 2540-2560 70% assorted ss wht, orang red a/a. 30% SH dk colors, red, gy, maroon, gn, v/hd, v/dns, v/slty, v/slightly calc.
- 2560-2600 100% SH gys, red, gn, purple, hd-v/hd, dns, slty to sndy, vs calc (dolomitic?) and grding to a v/argil dolo (?)

- 2560-2600 100% SH gy's, red, gn, purp, hd-v/hd, dns, silty to sndy, vs/calc (dolo?) and grding to an argil dolo.
- 2600-2610 100% SLTST red, frm, dns, vs/calc, sndy i/p. tr quartz frags.
- 2610-2620 80% SH dk colors, gy, red, gn, dns, v/hd, silty-sandy i/p, vs/calc. almost an argil dolo.
20% CHERT orange, wht, v/hd, dns.
- 2620-2650 50% SH dk, hd, variegated sh a/a and grding to
50% DOLO gy, red, hd, dns, v/argil, dirty, sndy.
- 2650-2690 100% SH variegated, gy, red, gn, hd, dns, blocky, calc, sndy i/p, silty i/p. tr quartz frags.
- 2690-2700 70% SH variegated a/a.
30% SLTST red, v/hd, dns, calc.
- 2700-2730 70% SLTST red, v/hd, dns, calc.
30% SH gy, v/hd, dns, vs/calc, grding to a 'lime mud'.
- 2730-2750 100% SH color change to mustard yellow., frm, claystone.
- 2750-2770 100% SH mustard yellow sh a/a with occ sand grains inc.
- 2770-2780 100% SH color change to pred red-maroon. silty i/p, frm-hd, dns, vs/calc, and gradng to a lime mud (micrite)
- 2780-2800 100% SH color change back to mustard yellow. a mudstone to a micrite. abun quartz fragments.
- 2800-2830 100% SH variegated, but red predominates, frm-hd, dns, vs/calc, and grding to a lime mud.
- 2830-2850 100% SH pred a blue-gray, frm, dns, clayey, n/calc.
- 2850-2900 100% SH variegated, frm, dns, silty, sndy, non-vs/calc. tr chert tr coal in 2890-2900 sample.
- 2900-2920 100% SH variegated as above
- SAMPLE TOP MOENKOPI 2938 (subsea + 2972)
- 2920-2930 50% SH variegated as above
50% SS gy, s&p, v/hd, vfg-fg, sub rnd, mod srted, v/wl cmted, vs/calc.
- 2930-2940 50% SH a/a.
30% SLTST dk red, red-brn, hd, dns, n/calc.
20% SS gy, v/hd, vfg, sub rnd, mod srted, v/wl cmted.

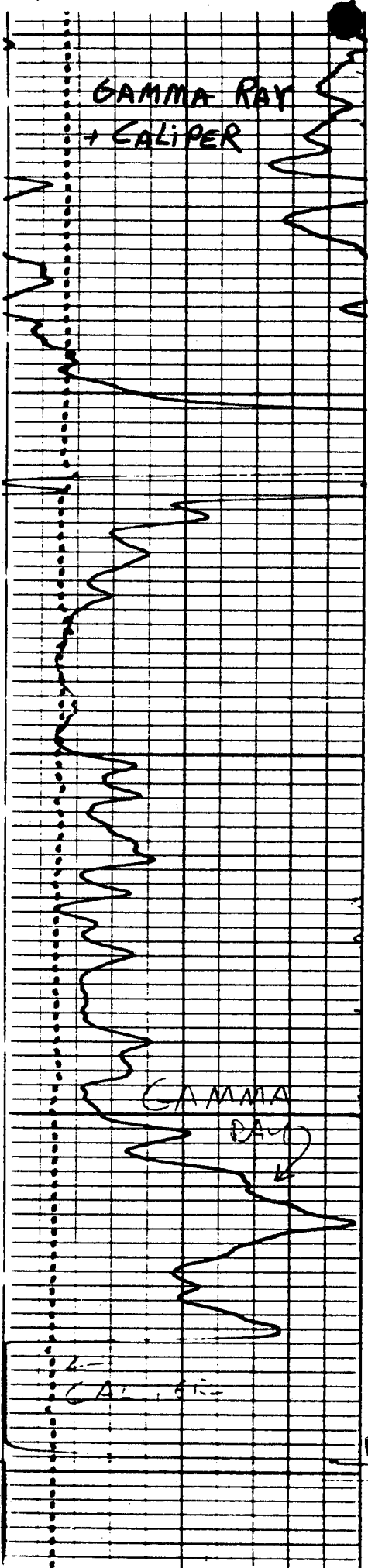
- 2940-2950 80% SLTST dk red, red-brn, hd, dns, pred non/calc.
20% SH variegated, frm, dns, slty, sndy, non-vs/calc.
- 2950-3030 100% SLTST dk red a/a and grdng to a shale.
- 3030-3050 80% SLTST red sltst grdng to shale
20% SH blue-gray, frm, dns, clayey, non/calc.
- 3050-3080 100% SH red, blue-gray, dns, frm, slty, non/calc.
tr ss, wht, vfg. tr ls, gy, hd, dns.
- 3080-3100 100% SLTST red, dns, hd-frm, non/calc.
- RUN INTERMEDIATE CASING @ 3112.
- 3100-3130 No samples.
- 3130-3140 100% SLTST red-orange, frm, vs/calc.
- 3140-3150 50% SLTST red-brn, gn, dns, vs/calc and grdng to ss
50% SS as uncon quartz frags.
- 3150-3200 100% SLTST red-brn, maroon, dns, vs/calc, sndy i/p, and
grdng to a vfg ss.
- 3200-3250 100% SLTST a/a.
- 3250-3270 100% SLTST red, red-brn, maroon, frm, dns, vs/calc, sndy i/p,
and grdng to a vfg ss.
- 3270-3300 50% SLTST red-brn, a/a.
30% SH gy, gn, dns, wxy, vs/calc, sandy i/p.
20% SS fg, rnd, uncon quartz grains.
- Note: most of the samples from 3300-3600 describe about the same except for color variations. The samples are predominantly sandstone as vfg, uncon-broken quartz fragments with an abun amount of red siltstone and red clay as cmt for ss. Samples are either a very silty sandstone or a sandy siltstone.
- 3300-3320 90% SLTST red-brn, frm, dns, vs/calc.
10% SS orange cast, pred uncon quartz frags.
- 3320-3330 100% SS pred as clear, uncon quartz grains, fg-vfg, sub ang,
calc(?) interbedded with red silts and green shales.
- 3330-3360 100% SS orange, vfg, sub ang, uncon quartz frags.
- 3360-3380 40% SLTST red-brn as above
30% SS pale gn, vfg, sub ang, pred uncon.
30% SH gn, frm,
- 3380-3400 SLTST 100% red, red-brn, frm, dns, sandy.

- 3400-3410 80% SS wht, clear, vfg, ang, pred uncon.
20% SLTST red, red-brn, frm, vs/calc.
- 3410-3450 80% SS orange, clear, uncon quartz grains.
20% SLTST red, red brn a/a.
- 3450-3500 80% SS as orange tinted uncon quartz grains-fragments.
20% SLTST red silt as above.
- 3500-3530 80% SS as orange tinted uncon quartz fragments.
20% SLTST red, red-brn a/a.
- 3530-3560 50% SS clear uncon quartz fragments.
50% SLTST red, red-brn, frm, vs/calc.
- 3560-3600 80% SS clear, vfg, pred uncon-broken quartz fragments.
20% SLTST red-brn as above.
- 3600-3640 100% SLTST red, red-brn, sndy, pred non/calc, and grdng to
a vfg ss.
- 3640-3650 100% SS wht, clear, frost, as uncon-broken quartz fragments.
- 3650-3700 100% SS wht, clear, frost, gy, vfg-fg, sub rnd- sub ang, calc.
tr of gy, dns, hd, microxtln ls. Tr flu and faint bulk cut
in ss.
- 3700-3710 50% SS a/a.
50% LS wht, gy, dns, massive, clean, microxtln.
- 3710-3750 80% SS wht, frost, vfg, sub-rnd-sub-ang. uncon-broken.
20% LS wht, gy, hd, dns, microxtln.
- 3750-3760 100% SS wht, clear, frost, vfg, calc, sub-rnd, sub-ang,
uncon to broken quartz fragments.
- 3760-3780 100% Dolomitic LS wht, tan, dns, massive.
- 3780-3800 100% Claystone red brn, sft, gummy, sndy, silty, shaley.
- 3800-3850 100% SH brick red, frm, silty, sndy, vs/calc.
tr ls.
- 3850-3900 100% SLTST brick red, frm, vs/calc, grdng to shale and ss.
tr carbonates.
- 3900-3950 100% SLTST brick red as above.
- 3950-3960 sulphur smell on floor. gas odor in samples, hole making a
little water.
40% SLTST red brick a/a.
20% SH pale gn, sft-frm, wxy, bentonitic i/p.
20% LS wht, gy, gn, dns, clean microxtln.
20% SS wht, vfg, wl srtd, mod cmtd, non/calc, **CON'T.**

SAMPLE TOP KAIBAB FM. 3950 (+ 1960)

- 3950-3960 con't.
20% SS wht, vfg, wl srted, mod cmted, non/calc, abun dk stn
yielding yellow-orange flu and good streaming cut when crushed,
gas odor in samples. this zone produced no flare. sand is
probably tight.
- 3960-3970 100% SLTST frm, dns, vs/calc a/a.
- 3970-3990 50% SLTST red brick, frm, dns, vs/calc.
30% LS wht, hd, dns, clean.
20% SH gy, gn, wxy.
- 3990-4000 Ls pred wht, clr, clean, massive, abun sand and silt.
- 4000-4040 100% LS, DOLO LS tan, clear, wht, clean, frm, dense, tite,
massive, sandy i/p.
- 4040-4080 100% DOLO LS tan, clear, wht, clean, frm, dense.
- 4080-4100 100% DOLO LS gy, frm, dns, 'dirty', argil i/p.
ABUN CHERT clear, hd.

FINIS



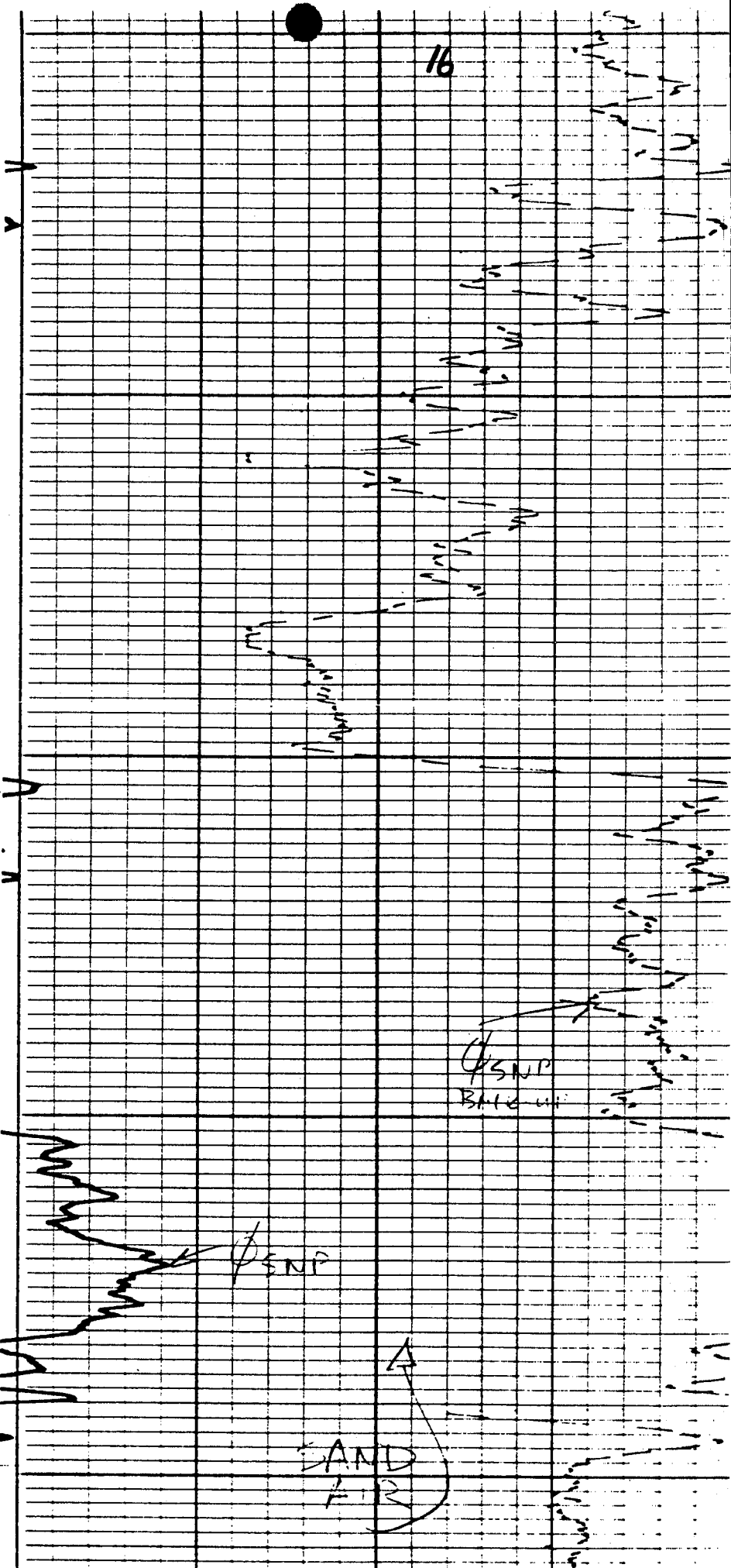
3900

SNP

4000

GR
FR

4000



DUAL INDUCTION

RILD
RCLB
RILM

3900

4000

4100

GAMMA
RAY

COMPENSATED
FORMATION DENSITY

QFDC

P_B

3900

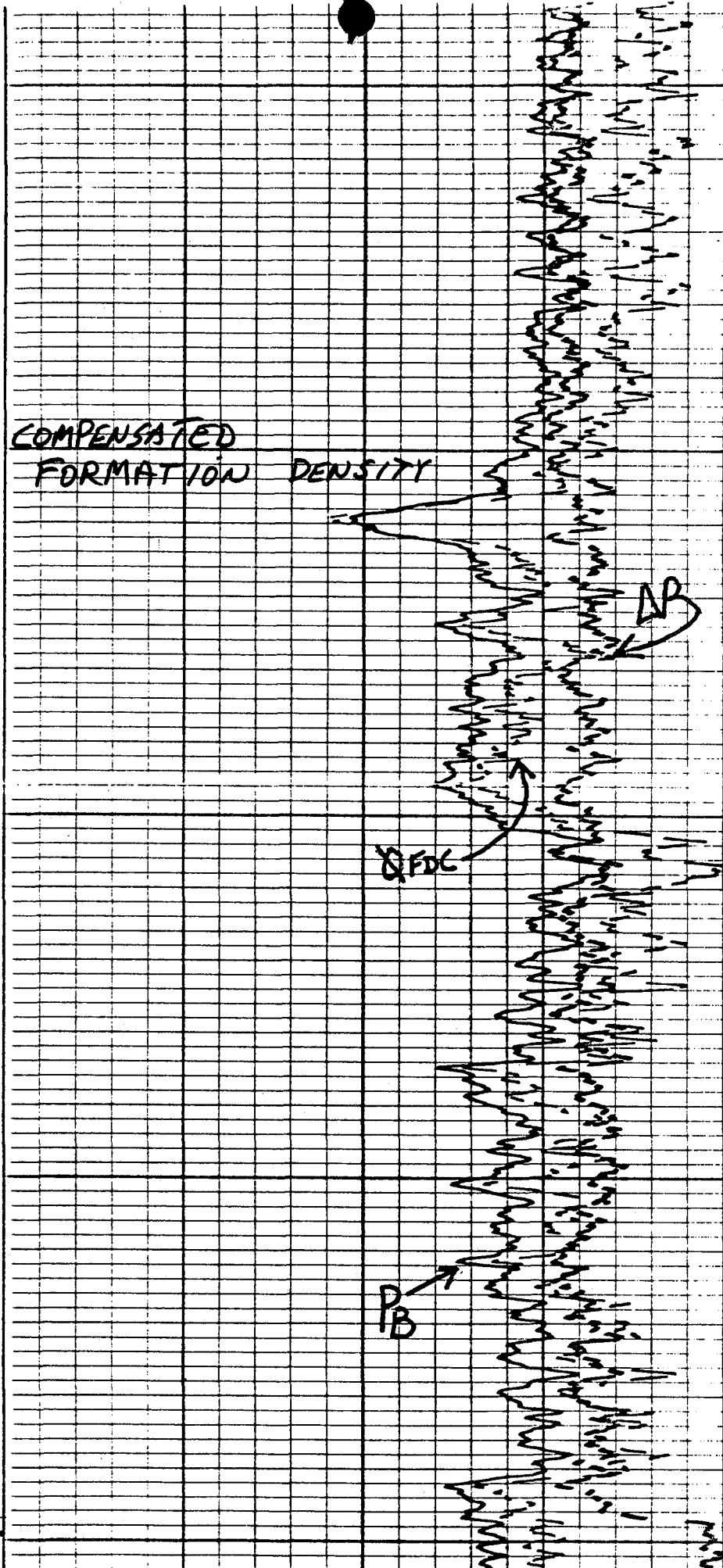
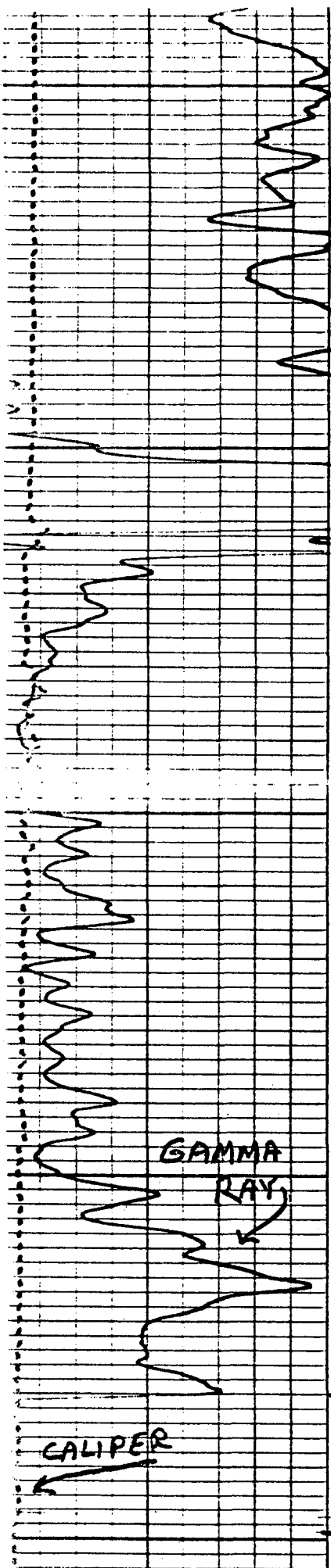
4000

GAMMA
RAY

CALIPER

FR
GP

FR
TD
4000



19
Schlumberger

[illegible]

DATE	LOCATION	SWS#	ENGINEER
31 JAN. 1979	GRAND JUNCTION	4111	KRABACHER

										20
DATE	Jan. 12, 1979	Jan. 13, 1979	Jan. 14, 1979	Jan. 15, 1979	Jan. 16, 1979	Jan. 17, 1979	Jan. 18, 1979	Jan. 19, 1979	Jan. 20, 1979	Jan. 21, 1979
DEPTH	1250'	1250'	1250'	1250'	1250'	1250'	1509'	1736	1933	2180
MUD WT.	8.7	8.8			8.6	9.0	9.0	9.0	9.0	8.9
FUNNEL VIS	52	42			53	53	45	51	45	47
PLASTIC VIS	20	22			20	20	15	19	27	28
YIELD POINT	15	18			18	16	10	17	12	13
GEL STRENGTH	11/18	7	PLUG	PLUG	5/9	6/9	4/10	11/16	6/9	7/10
PH	12	10.5			12	10	8.5	10	8.5	8.9
FILTRATE	15	8.4			8.1	8.1	8.8	8.0	8.0	8.1
CAKE THICK.	3/32	2/32			2/32	2/32	2/32	2/32	2/32	2/32
CHLORIDES	1750 ppm	4000			2700	4200	2300	2000	2000	2200
CALCIUM	140 ppm	170			190	210	200	146	146	190
SOLIDS-%							3	3	3	
SAND-%							7			4
OIL-%										
ALKALINITY, FIL. (Pf/Mf)	2.4/ 3.9	.75			3	.09	.09	.63	.63	.80
LCM					25%	30-40%	20%	15%		
TOTAL COST	2120.30	8781.35		15,857 .70	17,414 .65	21135 .75	22413 .15	24080 .95	26438 .75	27313 .65

NOTE: change from air drill to mud system on 1-12-79

DATE	Jan. 22, 1979	Jan. 23, 1979	Jan. 24, 1979	Jan. 25, 1979	Jan. 26, 1979	Jan. 26, 1979	Jan. 27, 1979			
DEPTH	2270	2550	2660	2840	3065	3115				
MUD WT.	8.5	8.7	8.8	8.9	9.2	8.9	DRILL			
FUNNEL VIS	49	47	38	44	60	47	AIR			
PLASTIC VIS	23	25	16	18	15	18	TO			
YIELD POINT	16	12	8	9	24	8	SWITCHING			
GEL STRENGTH	8/14	8	4/6	4/10	16	5/11				
PH	8.0	8.5	8.0	8.0	8.0	8.5				
FILTRATE	7.2	8.1	8.8	8.8	12	8.8				
CAKE THICK.	2/32	2/32	2/32	2/32	3/32	2/32	CASING			
CHLORIDES	2000	1500	1800	1000	1000					
CALCIUM	80	82	32	56	220		INTERMEDIATE			
SOLIDS-%				3						
SAND-%	6	4.5	4.0	4	3.5					
OIL-%										
ALKALINITY, FIL. (Pf/Mf)	.12	.05	.06	.10	.05		RUN			
LCM. (%)	25	15	20	10						
TOTAL COST	30,844 .25	31,999 .80	33,576 .55	34,557 .30		34,783 .75	35,345 .85			

BIT RECORD

<u>NO.</u>	<u>MAKE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>IN</u>	<u>OUT</u>	<u>FTGE</u>	<u>HRS</u>	<u>REMARKS</u>
1 RR	REED	12 1/4	Y31G	0	20	20	2	AIR DRILL
2 RR	REED	8 3/4	Y12J	20	35	15	5	
3 RR	STC	12 1/4	DG J	35	40	5	3 1/4	
4	HTC	8 3/4	OSC 1GJ	40	120	80		
5 RR	STC	12 1/4	DG J	120	261	141	8 1/4	SURFACE CASING
6 RR	HTC	8 3/4	OSC 1GJ	261	734	473	10 1/4	
7	HTC	8 3/4	OWV	734	1250	561	22 3/4	CHANGE TO MUD DRILL
8	HTC	8 3/4	J 22	1250	1750	500	29	DS. OFF 4°
9	HTC	8 3/4	OSC 1G	1750	1950	200	16 1/4	STRAP & CORRECT 15' UP
10 RR	HTC	8 3/4	J22	1950	2548	598	45 1/4	
11	SEC	8 3/4	S84F	2548	3115	567	65 3/4	TO RUN INTERMEDIATE CASING
12	REED	6 1/8	FP62J	3115	4100	985	32 1/2	TOTAL DEPTH



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771
July 2, 1979

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

Energetics, Inc.
102 Inverness Terrace East
Englewood, Colorado 80112

Re: Well No. Federal 14-18
Sec. 18, T. 25S, R. 6E,
Emery County, Utah

Gentlemen:

We are in receipt of your Well Summary Report for the above referenced well, which does not include all the completion information we need.

In order that we may keep our records accurate and complete, please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Kathy Avila
KATHY AVILA
RECORDS CLERK

/attachment

SCOTT M. MATHESON
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

November 19, 1979

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

Energetics, Inc.
102 Inverness Terrace East
Englewood, Colo. 80112

RE: Well No. Federal #14-18
Sec. 18, T. 25S, R. 6E,
Emery County, Utah

* Your well Summary Report that
you sent us didn't include all
the information needed.

Gentlemen:

This letter is to advise you that the Well Completion or
Recompletion Report and Log for the above referred to well is
due and has not been filed with this office as required by our
rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and
forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Debbie Beauregard
DEBBIE BEAUREGARD
CLERK-TYPIST



June 2, 1982

Ms. Cari Furse
State of Utah
Natural Resources & Energy
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: Well No. Federal 14-18
Sec. 18, T. 25S, R. 6E.
Emery County, Utah

Well No. Federal 21-20
Sec. 20, T. 26S, R. 7#.
Emery County, Utah

Dear Ms. Furse:

Enclosed are state Completion Reports for the two referenced wells. Federal 14-18 is completed and still temporarily abandoned. Federal 21-20 is a shut in gas well.

Yours truly,

A handwritten signature in cursive script that reads 'Carol Thomas'.

Carol Thomas
Reports Supervisor

/ct

Enclosure

RECEIVED

JUN 14 1982

**DIVISION OF
OIL, GAS & MINING**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry hole		5. LEASE DESIGNATION AND SERIAL NO. U-20474
2. NAME OF OPERATOR Energetics Operating Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----
3. ADDRESS OF OPERATOR 116 Inverness Drive East - Englewood, Colorado 80112		7. UNIT AGREEMENT NAME -----
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Lot 4 (660' FSL & 651' FWL) Sec. 18		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. 14-18
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 5901' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 18-T25S-R6E
		12. COUNTY OR PARISH Emery
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☒ Report of current status

REPAIRING WELL ☐

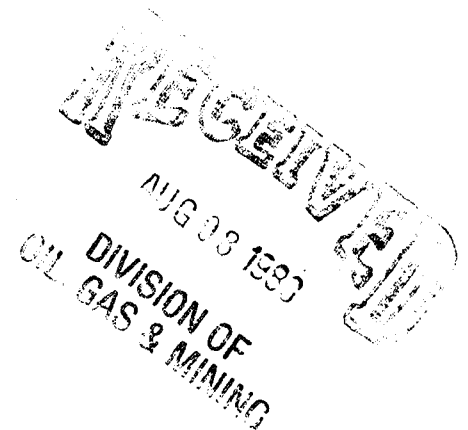
ALTERING CASING ☐

ABANDONMENT* ☐

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well is still temporarily abandoned.



18. I hereby certify that the foregoing is true and correct

SIGNED Carol ThomasTITLE Reports SupervisorDATE August 4, 1983

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

ITR Petroleum, Inc.

June 28, 1985

RECEIVED

JUL 08 1985

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF OIL
GAS & MINING

Gentlemen:

ITR Petroleum, Inc., subsequent to the Debtors Second Amended Consolidated Plan of Reorganization (copy enclosed), will be taking over operations on four wells in Utah currently operated by Energetics Operating Company. Form OGC-1b is enclosed on each well for your reference. The effective date of this transaction is July 1, 1985. ITR Petroleum's bond information will be forwarded under separate cover. If any further notification is needed or questions arise, please contact either Ken Cervenka or myself at (303) 799-8282.

Sincerely,

JW Decker

J. W. Decker
Operations Manager
ITR Petroleum, Inc.

JWD/ecj

CHANGE OF OPERATOR

TO: ITR Petroleum, Inc.
1300 Main Street, Suite 512
Houston, Texas 77002

FROM: Energetics Operating Company
102 Inverness Terrace East
Englewood, Colorado 80112

Approved: *JW Decker*
Title: Operations Manager
Date: 6-28-85

Approved: *Ken Cervenka*
Title: Vice-President Operations
Date: 6/28/85

JTR



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 12, 1986

TO: Well File Memo

FROM: J.R. Baza *JRB*

RE: Well No. Federal 14-18, Sec.18, T.25S, R.6E,
Emery County, Utah

The well file contains insufficient information to determine if the well is properly temporarily abandoned or not. The operator submitted a Sundry Notice dated August 4, 1983, indicating that the well was temporarily abandoned; however, there is no statement that a temporary plug was set to isolate the producing interval. The operator should be requested to submit written verification of the existence of any temporary plug, and the well status should be listed as ~~SD~~ producing well, until this has been adequately verified.

sb
0265T-42

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE*
(See other instructions
on reverse)

Form approved.
Budget Bureau No. 42-R355.5.

13

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other Temporarily Abandoned
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR
Energetics, Inc.

3. ADDRESS OF OPERATOR
102 Inverness Terrace East, Englewood, CO 80112

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface Lot 4 (660' FSL & 651' FWL) Sec. 18

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 1-4-79 16. DATE T.D. REACHED 1-31-79 17. DATE COMPL. (Ready to prod.) 2-1-79 18. ELEVATIONS (DF, REB, ET, CR, ETC.)* 5901' GRD 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 4100' 21. PLUG, BACK T.D., MD & TVD - 22. IF MULTIPLE COMPL., HOW MANY* No 23. INTERVALS DRILLED BY ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

None

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
CNE - Density, Gamma Ray

27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	261'	12-1/4"	100 SX	None
7"	20#	3113'	8-3/4"	150 SX	None
4-1/2"	10.5#	4098'	6-1/8"	20 SX	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None						None	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

3972-3976' with 2 Densi-Jet X hole/ft 3-1/8"

3956-3962' with 2 Densi-Jet X hole/ft 3-1/8"

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3972-3976'	700 gal. Howco Mod 202 acid
3972-3976'	Cement squeeze with 100 sx
3956-3962'	500 gal. RTD acid

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		6/21/79 Well temporarily abandoned				made 65 bbls water	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Jerry D. Rowe

TITLE Administrative Coordinator

DATE June 25, 1979

*(See Instructions and Spaces for Additional Data on Reverse Side)

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formations and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

and be used on this form, see item 30.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. For each additional interval to be separately produced, showing the additional unit pertinent to such interval.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

UNITED STATES DEPARTMENT OF THE INTERIOR

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-20474

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

14-18

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 18-T25S-R6E

12. COUNTY OR
PARISH

Emery

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Energetics, Inc. d/b/a/ Colorado Energetics, Inc. in Utah

3. ADDRESS OF OPERATOR

102 Inverness Terrace East - Englewood, Colorado 80112

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface Lot 4 (660' FSL & 651' FWL) Sec. 18

At top prod. interval reported below As above

At total depth

As above

14. PERMIT NO.

DATE ISSUED

10/5/78

15. DATE SPUDDED

1/4/79

16. DATE T.D. REACHED

1/31/79

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, R&B, RT, GR, ETC.)*

5901' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

4100'

21. PLUG, BACK T.D., MD & TVD

NA

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

0'-4100'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

None

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL - Density, Gamma Ray

27. WAS WELL CORRED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	261'	12-1/4"	100 sx	None
7"	20#	3113'	8-3/4"	150 sx	None
4-1/2"	10.5#	4098'	6-1/8"	20 sx	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
	None					None	

31. PERFORATION RECORD (Interval, size and number)

3972-3976' with 2 Densi-Jet X hole/ft 3-1/8"

3956-3962' with 2 Densi-Jet X hole/ft 3-1/8"

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3972-3976'	700 gal. Howco Mod 202 acid
3972-3976'	Cement squeeze with 100 sx
3956-3962'	500 gal. RTD acid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
	6/21/79 Well temp. abandoned - made 65 bbls water						
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

L. S. Gosnell

TITLE

Ass't Production Manager

DATE

6/2/82

*(See Instructions and Spaces for Additional Data on Reverse Side)

sent this
in June 26, 1982
13

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Entrada	Surface				
Carmel	Surface casing				
Navajo	1090'				
Kayenta	1850'				
Wingate	2050'				
Chinle	2542'				
Moenkopi	2938'				
Faibab	3950'				
TD	4100'				



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 6, 1986

ITR Petroleum, Inc.
1600 Stout Street #1900
Denver, Colorado 80202

Gentlemen:

Re: Well No. Federal 14-18 - Sec. 18, T. 25S., R. 6E.,
Emery County, Utah - API #43-015-30060

In order to determine if the referenced well is a temporarily abandoned well, it is necessary that the condition of the well bore comply with the requirements of Rule 315 (i) of the Oil and Gas Conservation General Rules.

A records review of the well file indicates that insufficient information is available to determine where, or if, temporary plugs have been set. Please provide sufficient information as to the condition of the well, to determine if any interval open to the well bore has been properly sealed with a cement plug or bridge plug, and if the well bore is isolated to prevent migration of fluids through or out of it.

Your response by June 20, 1986 will be appreciated, and should be addressed to:

Division of Oil, Gas & Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout
Records Manager

pk

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
~~Well File~~
Suspense File

070901

RECEIVED
JUN 25 1986

June 20, 1986

**DIVISION OF
OIL, GAS & MINING**

Mr. Norman C. Stout
State of Utah
Division of Oil Gas and Mining
355 W. North Temple
3 Triad Center
Suite 350
Salt Lake City, Utah 84180-1203

Re: Suspense File
Well-Federal 14-18
Section 18 T25S-R6E
Emery Co., Utah
A.P.I. # 43-015-30060

Dear Mr. Stout,

After a careful review of the available well records for the above captioned gas well, we have determined that, to our best knowledge, this well should be classified as Shut-In. A wellbore schematic is attached.

As you are aware operations for this well was recently taken over by ITR Petroleum, Inc. from Colorado Energetics, Inc. and we are still reviewing records for this and many other wells obtained from Energetics. We respectfully request that this status be maintained until we can adequately assess the economic feasibility of continuing operations for this well. We will continue to submit monthly production reports to your office.

Thank you for your patience.

Sincerely,

ITR PETROLEUM INC.

J.W. Decker

J.W. Decker
Vice President Operations

enclosure

amk/JWD

FEDERAL 14-18

WELLBORE SCHEMATIC

WELLHEAD

OCT-22 10" 3000 SOW

OCT-22 10" 3000 SPOOL

TBG HEAD

OCT T-16

10" 3000 X 6" 3000

4 1/2" TBG head

TREE - 2 3/8" MASTER
STWING VALVES

SURF HOLE - 12 1/4"

INT HOLE - 8 3/4"

Air & Mist Drilled
Mudded up, fought
bridges & lost Circ.

MAIN HOLE - 6 5/8"
Air & mist drill

CONDUCTOR CSG

6' - 15" CMT TO SURF?

SURF CSG TO 261'

9 jts 9 5/8" 36" STC

CMT TO SURF W/

50 SXS 6" Lite

50 SXS 6"

665-85 Salt Sec.

920 - 5 BWPH

1170' - 30 BWPH

Int CSG to 3113'

99 jts 7" 20" K-55 STC

CMT W/

100 SXS 6" Lite

50 SXS 6"

PROD CSG TO 4078'

126 jts 4 1/2" 10.5" K-55 STC

CMT W/

65 SXS Lite

CMT TOP @ 3225'

NO PROD TBG
IN HOLE

Port 3956-62 2,500

500 gal - 7 1/2% HCl - 7 1/2% Acetic

Port : 3972-76 2,500

Acidize w/ MOD 202

SQUEEZED OFF

w/ 100 SXS 6"

3968

PROD 4064

T.D. 4100'



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 3, 1986

RETURN RECEIPT REQUESTED
P 707 260 234

2nd NOTICE

ITR Petroleum, Inc.
1600 Stout Street #880
Houston, Texas 77002

Gentlemen:

Re: Well No. Federal 14-18 - Sec. 18, T. 25S, R. 6E.,
Emery County, Utah - API #43-015-30060

In order to determine if the referenced well is a temporarily abandoned well, it is necessary that the condition of the well bore comply with the requirements of Rule 315 (i) of the Oil and Gas Conservation General Rules.

A records review of the well file indicates that insufficient information is available to determine where, or if, temporary plugs have been set. Please provide sufficient information as to the condition of the well, to determine if any interval open to the well bore has been properly sealed with a cement plug or bridge plug, and if the well bore is isolated to prevent migration of fluids through or out of it.

Your response by July 25, 1986 will be appreciated, and should be addressed to:

Division of Oil, Gas & Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout
Records Manager

ta

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
Well File
Suspense File

0170S/4



Presidio Oil Company

5613 DTC PARKWAY
SUITE 800
ENGLEWOOD, COLORADO 80111-3035
TELECOPIER: (303) 741-5322
TELEPHONE: (303) 773-8880

February 10, 1989

SUBSIDIARIES:

PRESIDIO EXPLORATION, INC.
PEAKE OPERATING COMPANY
PETROLEUM DEVELOPMENT
CORPORATION
PRESIDIO ENERGY, INC.
PEAKE ENERGY, INC.

Utah Natural Resource
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 85180-1203

RECEIVED
FEB 13 1989

11085

DIVISION OF
OIL, GAS & MINING

Re: Change of Operator Name

Gentlemen:

General Atlantic Energy Corporation has merged into Presidio Exploration, Inc. The effective date of this transaction is December 7, 1988. The attached table(s) gives a complete listing of the wells involved.

I hereby certify that Presidio Exploration, Inc. is responsible under the terms and conditions of the lease to conduct lease operations. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Presidio Exploration, Inc.

If any further notification is needed or questions arise, please contact either Don Erickson or myself.

Sincerely,

PRESIDIO EXPLORATION, INC.

Ken Kundrik
Senior Operations Engineer
Rocky Mountain Division

KK/AK/pmj

Attachment

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL ☒ GAS ☐ OTHER ☐
WELL ☒ WELL ☐

2. NAME OF OPERATOR

Presidio Exploration, Inc.

3. ADDRESS OF OPERATOR

5613 DTC Parkway, Suite 800, Englewood COIL GAS & MINOR

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

(see attached table)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

12. COUNTY OR PARISH

13. STATE

Emery

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Change of Operator Name

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

General Atlantic Corporation merged into Presidio Exploration effective
December 7, 1988.

FROM: General Atlantic Corporation
410 17th Street, Suite 1400
Denver, Co. 80202 (303) 573-5100

TO: Presidio Exploration Inc.
5613 DTC Parkway, Suite 800
Englewood Co. 80111-3035 (303) 773-8880

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]

TITLE Operations Manager

DATE February 10, 1989

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

Presidio Exploration Inc.
5613 DTC Parkway, Suite 800
Englewood, Co. 80111-3035

Re: Change of Operator Name

(303) 773-8880

LAST CHANCE Field

H Federal 21-20
NWNE Sec. ~~20~~ 26S-7E
Emery Co., Utah

API # 430153003600S1
Lease # UTU 38352

439

H Federal 12-17
SNNW Sec. 17U26S-7E
Emery Co., Utah

API # 430153006200S1
Agreement # NRM 1879

438

H Federal 14-8
SWSW Sec. 8 26S-7E
Emery Co., Utah

API # 430153006100S1
Lease # UTU38351

437

H Federal 14-18
SWSW Sec. 18 25S-6E
Emery Co., Utah

API # 430153006000S1

436

GENERAL ATLANTIC

RESOURCES, INC.

February 21, 1989

Ms. Tammy Searing
State of Utah
Division of Oil, Gas & Mining
355 W. North Temple
3 Triad Center, #358
Salt Lake City, Utah 94108

RECEIVED
FEB 24 1989

DIVISION OF
OIL, GAS & MINING

Dear Ms. Searing:

As per our telephone conversation of this afternoon, enclosed is a copy of the merger document between ITR Petroleum, Inc. and General Atlantic Energy Corporation. This merger preceded the GAEC/Presidio merger.

Please let me know if we can be of further assistance.

Yours very truly,

GENERAL ATLANTIC RESOURCES, INC.

Kathleen A. Sedgwick

Kathleen A. Sedgwick
Supervisor of Property Administration

KAS/kr

Enclosure

cc: Mr. Ken Kundrik
Presidio Exploration, Inc.

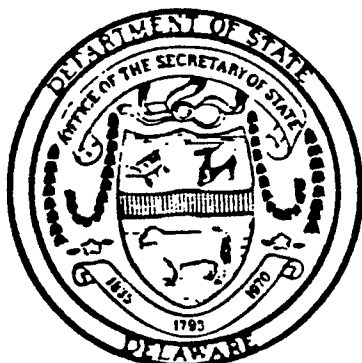


State of Delaware

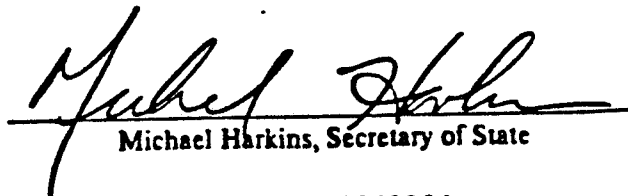


Office of Secretary of State

I, MICHAEL HARKINS, SECRETARY OF STATE OF THE STATE OF DELAWARE DO
HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE
CERTIFICATE OF RESTATED CERTIFICATE OF INCORPORATION OF ITR PETROLEUM, INC.
FILED IN THIS OFFICE ON THE THIRTY-FIRST DAY OF JULY A.D. 1987, AT 9:01
O'CLOCK A.M.



727217058


Michael Harkins, Secretary of State

AUTHENTICATION: 1349904

DATE: 08/05/1987

RESTATED CERTIFICATE OF INCORPORATION
OF
ITR PETROLEUM, INC.

ITR Petroleum, Inc., a corporation organized and existing under the laws of the State of Delaware, hereby certifies as follows:

I.

The Certificate of Incorporation of the corporation was filed with the Secretary of State of the State of Delaware on March 2, 1987.

II.

This Restated Certificate of Incorporation and the amendments contained herein were proposed by the board of directors and adopted by the stockholders of the corporation in accordance with and pursuant to Sections 242 & 245 of the General Corporation Law of the State of Delaware.

III.

The text of the Certificate of Incorporation of the corporation is hereby restated and amended to read in its entirety as follows:

Article I

The name of the corporation is GENERAL ATLANTIC ENERGY CORPORATION.

Article II

The address of the corporation's registered office in the State of Delaware is 1209 Orange Street, New Castle County, Wilmington, Delaware 19801. The name of its registered agent at such address is The Corporation Trust Company.

Article III

The purpose for which the corporation is organized is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of the State of Delaware.

Article IV

The total number of shares which the corporation shall have authority to issue is 250,000,000 shares of Common Stock, \$.01 par value per share.

Article V

The governing board of the corporation shall be known as the board of directors, and the number of directors comprising the same shall be not less than three.

Article VI

The board of directors of the corporation is expressly authorized to make, alter or repeal bylaws of the corporation, but the stockholders may make additional bylaws and may alter or repeal any bylaws whether adopted by them or otherwise.

Article VII

No director of the corporation shall be personally liable to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director; provided, however, that the foregoing clause shall not apply to any liability of a director (i) for any breach of the director's duty of loyalty to the corporation or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of the law, (iii) under Section 174 of the General Corporation Law of the State of Delaware, or (iv) for any transaction from which the director derived an improper personal benefit. This Article shall not eliminate or limit the personal liability of a director for any act or omission occurring prior to the date this Article becomes effective.

Article VIII

8.1 The corporation shall indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of the corporation) by reason of the fact that he is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by him in connection with such action, suit or proceeding if he acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had no reasonable cause to believe his conduct was unlawful. The termination

of any action, suit or proceeding by judgment, order, settlement, conviction, or upon a plea of nolo contendere or its equivalent, shall not, of itself, create a presumption that the person did not act in good faith and in a manner which he reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had reasonable cause to believe that his conduct was unlawful.

8.2 The corporation shall indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the corporation to procure a judgment in its favor by reason of the fact that he is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against expenses (including attorneys' fees) actually and reasonably incurred by him in connection with the defense or settlement of such action or suit if he acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the corporation and except that no indemnification shall be made in respect of any claim, issue or matter as to which such person shall have been adjudged to be liable to the corporation unless and only to the extent that the court in which such action or suit was brought shall determine upon application that, despite the adjudication of liability but in view of all the circumstances of the case, such person is fairly and reasonably entitled to indemnity for such expenses which the court shall deem proper.

8.3 To the extent that a director, officer, employee or agent of a corporation has been successful on the merits or otherwise in defense of any action, suit or proceeding referred to in Sections 8.1 and 8.2 of this Article, or in defense of any claim, issue or matter therein, the corporation shall indemnify such director, officer, employee or agent against expenses (including attorneys' fees) actually and reasonably incurred by him in connection therewith.

8.4 Any indemnification under Sections 8.1 and 8.2 of this Article (unless ordered by a court) shall be made by the corporation only as authorized in the specific case upon a determination that indemnification of the director, officer, employee or agent is proper in the circumstances because he has met the applicable standard of conduct set forth in Sections 8.1 and 8.2 of this Article. Such determination shall be made (1) by the board of directors by a majority vote of a quorum consisting of directors who were not parties to such action, suit or proceeding, or (2) if such a quorum is not obtainable, or, even if obtainable a quorum of disinterested directors so directs, by independent legal counsel in a written opinion, or (3) by the stockholders.

8.5 Expenses incurred by an officer or director in defending a civil or criminal action, suit or proceeding shall be paid by the corporation in advance of the final disposition of such action, suit or proceeding upon receipt of an undertaking by or on behalf of such director or officer to repay such amount if it shall ultimately be determined that he is not entitled to be indemnified by the corporation as authorized in this Article. Such expenses incurred by other employees and agents shall be so paid upon such terms and conditions, if any, as the board of directors deems appropriate.

8.6 The indemnification and advancement of expenses provided by, or granted pursuant to, this Article shall not be deemed exclusive of any other rights to which those seeking indemnification or advancement of expenses may be entitled under any bylaw, agreement, vote of stockholders or disinterested directors or otherwise, both as to action in an official capacity and as to action in another capacity while holding such office.

8.7 The corporation shall have power to purchase and maintain insurance on behalf of any person who is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against any liability asserted against him and incurred by him in any such capacity, or arising out of his status as such, whether or not the corporation would have the power to indemnify him against such liability under the General Corporation Law of the State of Delaware or this Article.

8.8 For purposes of this Article, references to "other enterprises" shall include employee benefit plans; references to "fines" shall include any excise taxes assessed on a person with respect to any employee benefit plan; and references to "serving at the request of the corporation" shall include any service as a director, officer, employee or agent of the corporation which imposes duties on, or involves services by, such director, officer, employee or agent with respect to an employee benefit plan, its participants or beneficiaries; and a person who acted in good faith and in a manner he reasonably believed to be in the interest of the participants and beneficiaries of an employee benefit plan shall be deemed to have acted in a manner "not opposed to the best interests of the corporation" as referred to in this section.

8.9 The indemnification and advancement of expenses provided by, or granted pursuant to, this Article shall continue as to a person who has ceased to be a director, officer, employee or agent and shall inure to the benefit of the heirs, executors and administrators of such a person.

Article IX

Whenever a compromise or arrangement is proposed between the corporation and its creditors or any class of them and/or between the corporation and its stockholders or any class of them, any court of equitable jurisdiction within the State of Delaware may, on the application in a summary way of the corporation or of any creditor or stockholder thereof or on the application of any receiver or receivers appointed for the corporation under the provisions of section 291 of the General Corporation Law of the State of Delaware or on the application of trustees in dissolution or of any receiver or receivers appointed for the corporation under the provisions of section 279 of the General Corporation Law of the State of Delaware order a meeting of the creditors or class of creditors, and/or of the stockholders or class of stockholders of the corporation, as the case may be, to be summoned in such manner as the court directs. If a majority in number representing three-fourths in value of the creditors or class of creditors, and/or of the stockholders or class of stockholders of the corporation, as the case may be, agree to any compromise or arrangement and to any reorganization of the corporation as a consequence of such compromise or arrangement and the said reorganization shall, if sanctioned by the court to which the said application has been made, be binding on all the creditors or class of creditors, and/or on all of the stockholders or class of stockholders, of the corporation, as the case may be, and also on the corporation.

Article X

The corporation is to have perpetual existence.

IN WITNESS WHEREOF, the undersigned have executed this Restated Certificate of Incorporation on July 31, 1987.

ITR PETROLEUM, INC.

By: 

Alex M. Cranberg, President

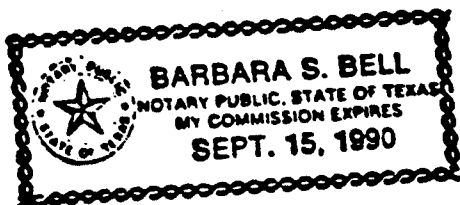
ATTEST:


Jean Moffett,
Assistant Secretary

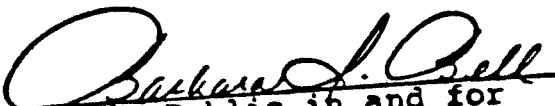
STATE OF TEXAS

COUNTY OF HARRIS

BE IT REMEMBERED, that on this 31st day of July, 1987, personally appeared before me, a notary public in and for the State of Texas, Alex M. Cranberg and Jean Moffett, who being duly sworn, acknowledged that they are the persons who signed the foregoing Restated Certificate of Incorporation, and that the facts therein stated are true.



My Commission Expires:


Notary Public in and for
the State of T e x a s

Printed Name of Notary Public

WDR9/05/kmc



Presidio Oil Company

5613 DTC PARKWAY
SUITE 750
ENGLEWOOD, COLORADO 80111-3035
TELECOPIER: (303) 773-0114
TELEPHONE: (303) 773-0100

RECEIVED
MAR 24 1989

DIVISION OF
OIL, GAS & MINING

SUBSIDIARIES:

PRESIDIO EXPLORATION, INC.
PEAKE OPERATING COMPANY
PETROLEUM DEVELOPMENT
CORPORATION
PRESIDIO ENERGY, INC.
PEAKE ENERGY, INC.

March 14, 1989

State Division of Oil, Gas & Mining
355 West North Temple
Three Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

43-015-30060 255 6E sec. 18
43-015-30061 265 7E sec. 8
43-015-30062 265 7E sec. 17
43-015-30036 265 7E sec. 20

Re: Notice of Merger

Ladies and Gentlemen:

This letter will advise that General Atlantic Energy Corporation, a Delaware Corporation, and Presidio Exploration, Inc., a Colorado Corporation, merged effective December 7, 1988, with Presidio Exploration, Inc. surviving the merger. Enclosed herewith are copies of the following:

- 1) Plan of Merger and Articles of Merger of General Atlantic and Presidio Exploration.
- 2) State of Colorado, Department of State Merger Certificate for General Atlantic and Presidio Exploration.

Attached is a Schedule by County, showing all of the State Leases affected by the above mentioned mergers. Please update your records accordingly.

In the event you have any questions, please contact me at Presidio's satellite office at 410 17th Street, Suite 2460, Denver, Colorado 80202, (303) 893-1903. Thank you.

Very truly yours,

PRESIDIO EXPLORATION, INC.

Gregory J. Morton

Gregory J. Morton, CPL
Contract Landman

cp
Enclosures

CLERK	W/S
DEW	INF
JRS	GLH
JTS	SLS
1-LCR	1-101 to St. Louis
2-TAS	
3-PMK	pt.
MICROFILM	
FILE	

SCHEDULE OF LEASES
AFFECTED BY MERGER

DUCHESNE COUNTY, UTAH

ST-UT-ML-16532



STATE OF COLORADO

DEPARTMENT OF
STATE

CERTIFICATE

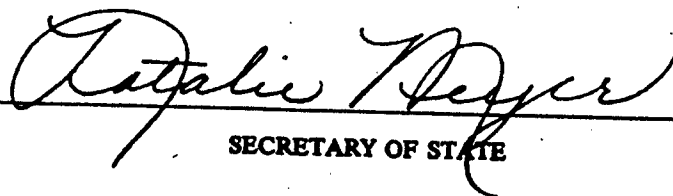
I, NATALIE MEYER, Secretary of State of the State of Colorado hereby certify that ACCORDING TO THE RECORDS OF THIS OFFICE, A CERTIFICATE OF MERGER DATED DECEMBER 7, 1988 WAS ISSUED UPON THE MERGER OF

GENERAL ATLANTIC ENERGY CORPORATION
(DELAWARE CORPORATION)

INTO

PRESIDIO EXPLORATION, INC.
(COLORADO CORPORATION), THE SURVIVOR

Dated: DECEMBER 19, 1988



SECRETARY OF STATE

ARTICLES OF MERGER
FOR THE MERGER

12-07-88 10:00
881104087 \$50.00

OF
GENERAL ATLANTIC ENERGY CORPORATION *NC/gz*
a Delaware corporation *FD 371762491*
INTO
PRESIDIO EXPLORATION, INC. *NC/gz*
a Colorado corporation *DP 371202383*

Pursuant to the provisions of Section 7-7-106 of the Colorado Corporation Code, Presidio Exploration, Inc., a Colorado corporation ("Presidio"), has caused its President or Vice President and Secretary or Assistant Secretary to execute these Articles of Merger in duplicate for the purpose of filing with the Secretary of State of Colorado.

ARTICLE I.

The outstanding capital stock of General Atlantic Energy Corporation, a Delaware corporation ("Atlantic"), consists of 1,000 shares of common stock, \$.01 par value (the "Stock"), all of which will be owned by Presidio on the effective date of the merger.

ARTICLE II.

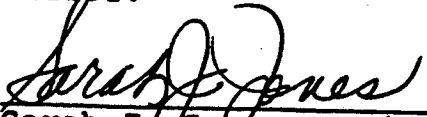
The Plan of Merger attached hereto as Exhibit A, pursuant to which Atlantic will merge into Presidio, was duly approved by resolution of the Board of Directors of Presidio.

ARTICLE III.

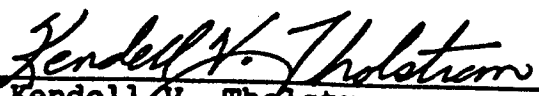
Presidio has waived the requirement that the Plan of Merger be mailed to it pursuant to Section 7-7-106 of the Colorado Corporation Code.

Dated as of the 6th day of December, 1988.

ATTEST:


Sarah J. Jones, Assistant
Secretary

PRESIDIO EXPLORATION, INC.

By: 
Kendell V. Tholstrom,
Vice President

COMPUTER UPDATE COMPLETE

STATE OF COLORADO)

) ss.

COUNTY OF ARAPAHOE)

I, Pamela W. Johnson, a Notary Public, do hereby certify that on this 6th day of December, 1988, personally appeared before me Kendell V. Tholstrom, who, being by me first duly sworn, declared that he is Vice President of Presidio Exploration, Inc. a Colorado corporation, that he acknowledged that he signed the foregoing document in such capacity and that the statements contained therein are true.

Witness my hand and official seal.

My Commission Expires May 1, 1990

(SEAL)

Pamela W. Johnson
Notary Public

PLAN OF MERGER

THIS PLAN OF MERGER (the "Plan"), dated as of December 6th, 1988, provides for the merger of General Atlantic Energy Corporation, a Delaware corporation ("Atlantic") into Presidio Exploration, Inc., a Colorado corporation ("Presidio" or the "Surviving Corporation").

RECITALS

1. Atlantic has 1,000 shares of common stock having a par value of \$.01 per share (the "Common Stock") issued and outstanding, all of which are owned by GAE Corp. ("GAE").

2. GAE and Presidio Oil Company ("Presidio Oil") entered into a Stock Purchase Agreement dated as of September 15, 1988 (the "Stock Purchase Agreement") pursuant to which the Common Stock is to be sold to Presidio Oil or its assigns by GAE. Presidio Oil has assigned its right to acquire the Common Stock to Presidio.

3. The Board of Directors of Presidio deems it advisable and generally in the best interest of each of Atlantic and Presidio and of their shareholders that Atlantic be merged into Presidio immediately after Presidio acquires the Common Stock, in accordance with this Plan of Merger and the laws of the states of Colorado and Delaware (the "Merger") on terms whereby all of the issued and outstanding shares of stock of Atlantic held prior to the Merger shall be surrendered and cancelled as described below.

PLAN

1. Merger. Subject to the transfer of the Common Stock from GAE to Presidio pursuant to the Stock Purchase Agreement, Atlantic shall be merged with and into Presidio and the separate existence of Atlantic shall cease. Presidio, as the Surviving Corporation, shall continue its corporate existence unaffected and unimpaired by the Merger and continue to be governed by the Colorado Corporation Code. Presidio shall have all the rights, privileges, immunities and powers and shall be subject to all the duties and liabilities of a corporation organized under the Colorado Corporation Code. The corporate identity and existence of Atlantic, together with all of its rights, privileges, immunities, powers and franchises, both of a public and private nature, and all of its property, real, personal and mixed, and all debts due to

it on whatever account and all of its liabilities and obligations and outstanding indebtedness, and all other things or choses in action belonging to it and all and every other interest of it shall be taken and deemed to be transferred and to vest, and shall be vested, in the Surviving Corporation as of the Effective Date (as defined in paragraph 2 below), without further act or deed and as effectively as they were formerly vested in Atlantic.

2. Effective Date of Merger. The Effective Date of the Merger shall be December 7, 1988. At or prior to the Effective Date of the Merger, Presidio shall execute, verify and file duplicates of Articles of Merger with the Secretary of State of the State of Colorado and shall execute, acknowledge and file duplicates of a Certificate of Ownership and Merger with the Secretary of State of the State of Delaware.

3. Shares of Stock; Options. (a) Upon the Effective Date of the Merger, each share of Atlantic capital stock issued and outstanding immediately prior to the Merger shall be surrendered and cancelled. All shares of Atlantic held in treasury shall be cancelled. The issued and outstanding capital stock of the Surviving Corporation shall not be converted as a result of the Merger and shall remain unchanged.

(b) Presidio shall not assume the obligations of any options to purchase any stock of Atlantic outstanding immediately prior to the Merger.

4. Amendments To Articles of Incorporation; Bylaws. The Articles of Incorporation and the Bylaws of Presidio as they exist on the date hereof shall, upon the Effective Date of the Merger, continue to be the Articles of Incorporation and the Bylaws of Presidio until the same shall thereafter be altered, amended or repealed in accordance with the laws of the State of Colorado and in accordance with said Articles and Bylaws.

5. Stock Certificates. After the Effective Date, Presidio, being the sole holder of an outstanding certificate or certificates representing all of the shares of Atlantic capital stock, shall surrender the same for cancellation.

6. Management of Surviving Corporation.


(a) Directors. The directors of the Surviving Corporation prior to the Merger shall continue to be the directors of the Surviving Corporation after the Merger, and shall hold office until their respective successors are duly elected and qualified.

(b) Officers. The officers of the Surviving Corporation prior to the Merger shall continue to be the officers of the Surviving Corporation after the Merger, and shall hold their respective offices until their respective successors are duly appointed and qualified.

7. Abandonment of Plan. Presidio may abandon the Merger at any time prior to the Effective Date of the Merger. If the Merger is abandoned after Articles of Merger are filed with the Secretary of State of the State of Colorado, Presidio shall file with the Secretary of State of the State of Colorado a Certificate of Withdrawal stating that by appropriate corporate action the Articles of Merger have been revoked and are void. The Certificate of Withdrawal shall be executed and verified by the President or a Vice President of Presidio and executed by a Secretary or an Assistant Secretary of Presidio.

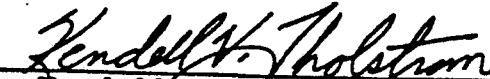
IN WITNESS WHEREOF, this Plan has been executed by Presidio as of the date first written above.

ATTEST:



Sarah J. Jones, Assistant
Secretary

PRESIDIO EXPLORATION, INC.

By: 

Rendell V. Tholstrom,
Vice President

BCS/tard

MERGER

XX ARTICLES OF MERGER

 CERTIFIED COPY OF ART. OF MERGER

 WITH AMENDMENTS

 WITH CHANGE OF NAME AMENDMENT

XX DOMESTIC

XXX FOREIGN

XXX PROFIT

 NONPROFIT

GENERAL ATLANTIC ENERGY CORPORATION
A DELAWARE CORPORATION (FP871762491)

INTO

PRESIDIO EXPLORATION, INC.
A COLORADO CORPORATION (DP 871202383)
THE SURVIVOR

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Presidio Exploration Inc.</p> <p>3. ADDRESS OF OPERATOR 5613 DTC, Suite 800, Englewood Co. 80111-3035</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface</p> <p>14. PERMIT NO. <u>43-015-30000</u></p>	<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Federal</p> <p>9. WELL NO. 14-18</p> <p>10. FIELD AND POOL, OR WILDCAT Last Chance (KBAB)</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</p> <p>12. COUNTY OR PARISH Emery</p> <p>13. STATE UT</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</p>	

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐Change of Operator ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Effective Oct. 31, 1989

FROM: Presidio Exploration Inc.
5613 DTC, Suite 800
Englewood Co., 80111-3035

TO: Western Discovery ^{USA} Wa, Inc. (Will Perrine)
47 Santa Rosa
Disc. Bldg.
San Louis Obispo, Ca. 93406

OIL AND GAS	
DRN	D&F
JRB	GLH
2-DTS	SLS
1-TAS	
3-	MICROFILM
4-	FILE

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE District Operations Manager DATE Nov. 6, 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangarter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

February 15, 1990

Presidio Exploration, Inc.
5613 DTC, Suite 800
Englewood, Colorado 80111-3035

Gentlemen:

Re: Change of Operator - Federal 21-20, Sec. 20, T26S, R7E, API No. 43-015-30036;
Federal 14-18, Sec. 18, T25S, R6E, API No. 43-015-30060; Federal 14-8, Sec. 8,
T26S, R7E, API No. 43-015-30061; Federal 12-17, Sec. 17, T26S, R7E, API No. 43-
015-30062; Emery County, Utah

In November 1989, we received notification from you that the above referenced wells had been sold to Western Discovery USA, Inc. Rule R615-8-10 of the Utah Oil and Gas Conservation General Rules requires that Form 9, Sundry Notices and Reports on Wells, be submitted by both the former and new operators whenever an operator change takes place. This policy was also sent to all well operators in letters dated July 31, 1989 and December 1, 1989. It was thereby made clear that operator changes will not be recognized by the division until documentation is received from both parties involved. As of this time, we have not received the required notice from Western Discovery. Our efforts to obtain documentation from Western Discovery have been unsuccessful. We will therefore be forced to continue recognizing Presidio Exploration, Inc. as the operator and responsible party for these wells until such time that all documentation is received.

Sincerely,

Don Staley
Administrative Supervisor
Oil and Gas

ldc

cc: William Perrine - Western Discovery USA, Inc.
D.R. Nielson
R.J. Firth
T.A. Searing
Well file

WOI3/2

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____☐ Suspense☐ Other

(Return Date) _____

(Location) Sec _____ Twp _____ Rng _____

(To - Initials) _____

(API No.) _____

1. Date of Phone Call: 11-15-89 Time: 1:562. DOGM Employee (name) JAS (Initiated Call ☒)Talked to: George AndersonName William Rump (Initiated Call ☐) - Phone No. (805) 543-0100of (Company/Organization) Western Discovery, Inc.3. Topic of Conversation: Chg. of Opn from Presidio Expt.

4. Highlights of Conversation:

Will fill out sundries - she
requested I mail the blank sundry forms
(Sundry forms faxed 11-15-89)



Presidio Oil Company

5613 DTC PARKWAY
SUITE 800
ENGLEWOOD, COLORADO 80111-3065
TELECOPIER: (303) 850-1112
TELEPHONE: (303) 773-8880

JUN 3 1991

PRESIDIO OIL

SUBSIDIARIES:

PRESIDIO EXPLORATION, INC.
PEAKE OPERATING COMPANY
PETROLEUM DEVELOPMENT
CORPORATION
PRESIDIO ENERGY, INC.
PEAKE ENERGY, INC.

May 8, 1991

Ms. Dianne Wright
Bureau of Land Management
P. O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED

JUN 10 1991

RE: U-11374
U-38352
U-38351

EMERY COUNTY, UTAH

*Does not cover U-53011 / 14-18

DIVISION OF
OIL GAS & MINING

Dear Ms. Wright:

This letter will confirm our conversation of this date with regard to the liability associated with the referenced leases. You advised that Integrity Financial has secured a State-wide bond secured by a Certificate of Deposit and that the BLM has accepted said Bond for coverage of the referenced leases. Although Presidio's Bond will not be formally released, you indicated that the BLM will not hold Presidio responsible for these leases as they are now covered under Integrity's bond.

The third lease referenced above, U-38351 is in the process of being assigned to Donald Reid, dba Integrity Financial. We did not want to assign the lease until we had assurances from the BLM that our bond covering this lease would similarly be removed from liability upon approval of the assignments.

Please sign and return one copy of this letter to my attention indicating that I have correctly understood our conversation. I appreciate your taking time to explain your procedures to me.

Sincerely,

Gaylene McCreery

Gaylene A. McCreery
Rocky Mountain Division

Presidio's State-wide bond is removed from liability as to leases U-11374 and U-38352 and will be removed from liability upon approval of assignments into Integrity Financial.

BUREAU OF LAND MANAGEMENT

BY

TITLE

Chief, Minerals
Adjudication Section

DATE MAY 31 1991

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

(Orig. # U-20474 terminated 1982)

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT— for such proposals</p>		6. Lease Designation and Serial Number U-53011						
		7. Indian Allottee or Tribe Name						
		8. Unit or Communitization Agreement						
		9. Well Name and Number FEDERAL #14-18						
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		10. API Well Number 43-015-30060						
2. Name of Operator Donald Reid d/b/a Integrity Financial		11. Field and Pool, or Wildcat So. Last Chance						
3. Address of Operator 11150 W. Olympic Blvd., Suite 730, Los Angeles, CA 90064		4. Telephone Number 213-478-2700						
5. Location of Well Footage : QQ, Sec. T., R., M. : SW Sec 18-T25S-R6E								
<p align="center">12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</p> <table border="1"> <tr> <th align="center">NOTICE OF INTENT (Submit in Duplicate)</th> <th align="center">SUBSEQUENT REPORT (Submit Original Form Only)</th> </tr> <tr> <td> <input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ </td> <td> <input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Other <u>Change of Operator</u> </td> </tr> <tr> <td> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </td> <td> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </td> </tr> </table>			NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)	<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Other <u>Change of Operator</u>	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)							
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Other <u>Change of Operator</u>							
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off							
Approximate Date Work Will Start _____		Date of Work Completion _____ Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.						

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Presidio Exploration, Inc. assigned all of its interest in the captioned well and lease to Donald Reid (d/b/a Integrity Financial. Integrity Financial will assume full responsibility for well/lease operations under the terms and conditions of the lease. (See attached Letter Agreement approved by the BLM.)

RECEIVED

JUN 10 1991

**DIVISION OF
OIL GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Name & Signature

Marjorie A. Raul

Title

Eng. Tech.

Date 6/5/91

(State Use Only)

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☒ Well File _____☐ Suspense
(Return Date) _____
(To - Initials) _____☐ Other _____(Location) Sec _____ Twp _____ Rng _____
(API No.) _____1. Date of Phone Call: 4-22-91 Time: 2:552. DOGM Employee (name) Vicky (Initiated Call ☒
Talked to:Name BONNIE SILVA (Initiated Call ☐ - Phone No. (303) 850-1956
of (Company/Organization) PRESIDIO EXPL3. Topic of Conversation: MISSING PRODUCTION
AS ATTACHED

4. Highlights of Conversation: _____

LEFT MSG FOR HER TO CALL ME4-25-91 2:00Ann Kechter said that eff 10-31-89
the Fed 14-18, Fed 14-8, Fed 12-7, and Fed 2-20
were sold to:Western Discovery47 Santa RosaBox 13457San Luis Obispo CA 93406805-543-0100Will PerrineAnn will see who sends chg of Oper Sundries
and have them sent in.CC: Lisha
(Ann)

3162
(U-53011)
(U-065)

Moab District
P.O. Box 970
Moab, Utah 84532

SEP 12 1991

Mr. G. Dee Williamson
P. O. Box 2206
Roswell, New Mexico 88201

Re: Operator of Federal Oil and Gas Lease U-53011

Dear Mr. Williamson:

In reviewing our files of lease U-53011, we find it unclear as to who operates well no. Federal 14-18. We need to attend and resolve this situation as soon as possible.

Well no. 14-18 was initially drilled by Colorado Energetics, Inc., under a previous lease. You subsequently became lessee of this tract and assumed responsibility for the well.

Our files indicate that we have been in communication with several companies over the years regarding this well, but no entity has formally assumed operations.

We need the actual operator, whether that is you or another company, to submit a sundry notice which provides verification of bond coverage and a self-certification statement. For your convenience we have enclosed a sundry notice in the format of a change of operator request.

Should you have any questions, please contact Eric Jones at (801) 259-6111.

Sincerely yours,

/s/ WILLIAM C. STRINGER

Assistant District Manager
Mineral Resources

Enclosure:
As Stated Above

EJones:caf:9/11/91 WP Minerals Disk A:WLMSCHOP

CAY

RECEIVED

AUG 10 1992

DIVISION OF
OIL GAS & MINING

8/10/92

LISHA

PLEASE CALL

BONNIE SILVA AT PRESIDIO

303-850-1955

RE: ~~FED~~ 12-17 4301530062 *910905 to Integrity eff. 5/91
✓ FED 14-18 4301530060

OPER CHG TO INTEGRITY IN 1989

THANKS!

U 9-4-9,

* Btm/meab Needs to ✓ w/st. office. 9-5-91

will write to Williamson (100% Record Title Lessee) →
INFO's G.D. Williamson reporting currently.

* Contacted Bonnie, apprised her of situation, will keep her posted of new info.

* 9/10/01 / Bonnie w/ Presidio has been in touch with Btm, will mail add'l info when possible.

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____☐ Suspense
(Return Date) _____
(To - Initials) _____☒ Other
Open Chg.?(Location) Sec _____ Twp _____ Rng _____
(API No.) _____1. Date of Phone Call: 6-24-91 Time: 10:002. DOGM Employee (name) L. Romero (Initiated Call ☒
Talked to:Name Verlene (Initiated Call ☐ - Phone No. () 259-6111
of (Company/Organization) Btm/moab3. Topic of Conversation: U-53011 / Federal #14-18

4. Highlights of Conversation: _____

"Colorado Energetics Inc." current operator (reporting production).* 9/107/7 Btm/moab - No Chg.* 9/10820 "* 9/10905 " Colorado Energetics stopped reporting. G.D. Williamson
100% Lease of Record. Btm will pursue. (No Bond in place - some confusion

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☒ **Well File**

Feb. 14-18

(Location) *Sec 18 Twp 25S Rng 6E*

(API No.) *43-015-30060*

☐ **Suspense**

(Return Date) _____

(To - Initials) _____

☐ **Other**

1. Date of ^{*Admin. Response*} ~~Phone Call~~: *2-7-94* Time: _____

2. DOGM Employee (name) *J. Cordova* (Initiated Call ☐)
Talked to:

Name *DTS/RQF* (Initiated Call ☐ - Phone No. ()

of (Company/Organization) _____

3. Topic of Conversation: _____

4. Highlights of Conversation: _____

No operator change at this time, per Admin.

*LET
RTE and I discussed
this mess. RTE thought
we ought to just leave
it under Presidio since
they are still reporting to
us. So - Let's do that -
Leave operator as Presidio
Don*

Original permit: U-20474 lease
(Lease terminated U-20474 1982)
Energetics (New lease, U-53011 terminated)
9/23/91

7/1/85 ITR Petroleum Inc. (New lease - U-69447
→ Ben Donegan (LORT 100%)

July '87 ITR Petr Inc & General Atlantic Energy Corp
(merger)

General Atlantic Energy Corp. merged into
Presidio
(merger)

effective
12/7/88 Presidio Exploration Inc.

10/31/89 - Well Transfer:
From: Presidio to Western Anco, USA Inc.

Presidio assigned interests to Donald Reid
d/b/a Integrity Financial.

This well and Lease not a part of
this agreement.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIRMATION/REPORT OF TELEPHONE CONVERSATION

T O	Name	F R O M	Name
	Office		Office
	Location		Location
	Telephone Number		Telephone Number

Purpose of Call:

Re: Lease U53011

LORET: G D Williamson

Operator: Colorado Energetics, Inc.

Explanatory Remarks:

Lease U-53011 Term 9/23/91 with well no. Federal 14-18, currently GSI status. Colorado Energetics, Inc. stopped reporting production reports, so because G D Williamson was 100% lessor of Record Title Owner of lease U53011 he was responsible for submitting production reports. The BLM/USO terminated lease U-53011 and the same lands were reissued under lease U69447 with Ben Donegan as LORT 100%. I called Linda Sorenson to see if a special stipulation to the effect that there is a GSI well on this tract of land and that the LORT assumes responsibility for this well and the "no" there wasn't. I spoke with Eric Jones (P.E.) he said that

BLM is now responsible for plugging and reclaiming this site.

12/15/93
(Date)

Verlene Butts
(Signature)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- DEC	7-SJ
2-DTS	8- PL
3-VLC	
4-RJE	
5- DEC	
6-PL	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- | | |
|---|--|
| <input type="checkbox"/> Change of Operator (well sold) | <input type="checkbox"/> Designation of Agent |
| <input type="checkbox"/> Designation of Operator | <input type="checkbox"/> Operator Name Change Only |

The operator of the well(s) listed below has changed (EFFECTIVE DATE: _____)

TO (new operator) PRESIDIO EXPLORATION INC	FROM (former operator) PRESIDIO EXPLORATION INC
(address) (NO CHANGE)-SEE DOCUMENTATION	(address) 5613 DTC PKWY STE #750
	ENGLEWOOD CO 80111-6525
	YVONNE SILVA
phone ()	phone (303) 850-1955
account no. N	account no. N 1285

Well(s) (attach additional page if needed):

Name: FEDERAL 14-18/KBAB	API: 43-015-30060	Entity: 436	Sec 18 Twp 25S Rng 6E	Lease Type: U-53011
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- * 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (*see attached*)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- * 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (*Comments only 7-2-10-94*)
- N/A 6. Cardex file has been updated for each well listed above.
- N/A 7. Well file labels have been updated for each well listed above.
- N/A 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- N/A 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- ___ 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ___ 2. A copy of this form has been placed in the new and former operators' bond files.
- ___ 3. The former operator has requested a release of liability from their bond (yes/no) ____.
Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- ___ 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: February 18 1994.

FILING

- ✓ 1. Copies of all attachments to this form have been filed in each well file.
- ✓ 2. The original of this form and the original attachments have been filed in the Operator Change file.

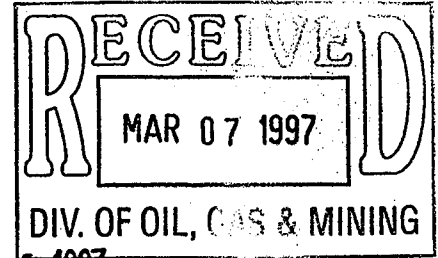
COMMENTS



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



In Reply Refer To
3100
U-01190 et al
(UT-932)

MAR

6 1997

NOTICE

TBI Exploration, Inc.
P.O. Box 6525
Englewood, CO 80155-6525

:
:
:

Oil and Gas
U-01190 et al.

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Presidio Exploration, Inc. to TBI Exploration, Inc. on Federal oil and gas leases.

The oil and gas lease files identified below have been noted as to the name change. We are notifying the Minerals Management Service (MMS) and all applicable Bureau of Land Management (BLM) offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

U-01190
U-01393D
U-02278
U-015630A
U-0129384

U-0149081
U-468
U-469
U-470

U-471
U-472
U-473
U-474

U-69447 x Confirmed with SL/BLM. fee

TBI Exploration, Inc., a subsidiary of Tom Brown, Inc., has bond coverage under Surety Bond No. BO1334 (BLM Bond No. ES0183).

ROBERT LOPEZ

Group Leader,
Minerals Adjudication Group

cc: Moab District Office
Vernal Field Office
MMS--Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217
State of Utah, Attn: Lisha Cordova, Division of Oil, Gas, and Mining, P.O. Box 145801,
Salt Lake City, Utah 84114-5801

03/07/97

DETAIL WELL DATA

menu: opt 00

api num: 4301530060 prod zone: KBAB sec twnshp range qr-qr
entity: 436 : FEDERAL 14-18 18 25.0 S 6.0 E SWSW

well name: FEDERAL 14-18

operator: N1285 : PRESIDIO EXPLORATION INC

meridian: S

field: 1 : WILDCAT

confidential flag: confidential expires:

alt addr flag:

* * * application to drill, deepen, or plug back * * *

lease number: U-53011

lease type: 1

well type: GW

surface loc: 0660 FSL 0651 FWL

unit name:

prod zone loc: 0660 FSL 0651 FWL

depth: 3990

proposed zone: MNKP

elevation: 5901' GR

apd date: 780809

auth code: C-3

* * completion information * *

date recd:

la/pa date:

spud date: 790104

compl date: 790201

total depth: 4100'

producing intervals:

bottom hole: 0660 FSL 0651 FWL

first prod:

well status: SGW

24hr oil: 24hr gas:

24hr water:

gas/oil ratio:

* * well comments:

directionl:

api gravity:

850805 FR ENERGETICS 7/85:890228 FR N7200 7/87:890228 FR N0910 12/88;LEASE FR

U20474:940210 U-53011 TERM 9/91;NEW LEASE U69447(BEN DONEGAN);DID NOT ASSUME

WELL PER BLM;NO BOND;SEE FILE:

opt: 21 api: 4301530060 zone:

date(yymm):

enty

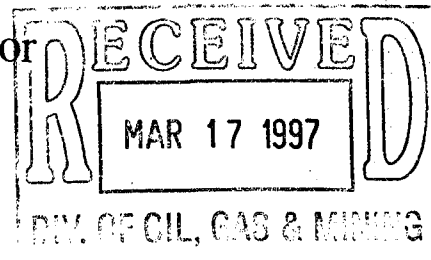
acct: N1285



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



In Reply Refer To
3100
UTU-69447
(UT-932)

MAR 14 1997

NOTICE

TBI Exploration, Inc.	:	Oil and Gas
P.O. Box 6525	:	UTU-69447
Englewood, CO 80155-6525	:	

Notice of Name Change Recognized Amended

It has been brought to the attention of this office, by our Moab District Office, that Presidio Exploration, Inc. is the operator of a well on oil and gas lease UTU-69447.

Therefore, oil and gas lease UTU-69447 is hereby added to the list of lease files noted as to the name change of Presidio Exploration, Inc. to TBI Exploration, Inc. The date of the original notice is March 6, 1997.

IRENE J. ANDERSON

Acting Group Leader,
Minerals Adjudication Group

cc: Moab District Office
MMS-Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217
State of Utah, ATTN: Lisha Cordova, Division of Oil, Gas, and Mining, P.O. Box 145801,
Salt Lake City, Utah 84114-5801

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

1-LEC	6-LEC
2-GLH	7-KDR
3-DTS	8-SI
4-VLD	9-FILE
5-RJE	

☒ Change of Operator (well sold)

☐ Designation of Agent

☐ Designation of Operator

☒ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 3-6-97 (BLM APRV DATE)

TO: (new operator) TBI EXPLORATION INC
(address) 5613 DTC PKWY STE #750
ENGLEWOOD CO 80111-6525
CELIA STEFFEN
Phone: (303) 773-0100
Account no. N2990 (3-13-97)

FROM: (old operator) PRESIDIO EXPLORATION INC
(address) 5613 DTC PKWY STE #750
ENGLEWOOD CO 80111-6525
CELIA STEFFEN
Phone: (303) 850-1955
Account no. N1285

WELL(S) attach additional page if needed:

Name: <u>FEDERAL 14-18/KBAB</u>	API: <u>43-015-30060</u>	Entity: <u>436</u>	S	<u>18</u>	T	<u>25S</u>	R	<u>6E</u>	Lease: <u>U53011</u>
Name: _____	API: _____	Entity: _____	S	_____	T	_____	R	_____	Lease: _____
Name: _____	API: _____	Entity: _____	S	_____	T	_____	R	_____	Lease: _____
Name: _____	API: _____	Entity: _____	S	_____	T	_____	R	_____	Lease: _____
Name: _____	API: _____	Entity: _____	S	_____	T	_____	R	_____	Lease: _____
Name: _____	API: _____	Entity: _____	S	_____	T	_____	R	_____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(see BLM aprvl.)*
- N/A 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(see BLM aprvl.)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: _____
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(3-13-97)*
- lec 6. **Cardex** file has been updated for each well listed above. *(3-13-97)*
- lec 7. Well **file labels** have been updated for each well listed above. *(3-13-97)*
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(3-13-97)*
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Lee 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A Lee 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19 , of their responsibility to notify all interest owners of this change.

FILMING

1. All attachments to this form have been microfilmed. Today's date: 4-8-97.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

970312 Blm/SL Aprv. 3-6-97; forgot to list lease 11-69447; added to list by DOBm per Blm telephone confirmation.

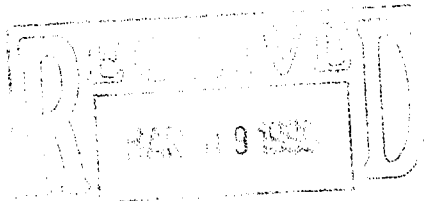


United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3100
U-01190 et al
(UT-932)



MAR 8 1999

NOTICE

Tom Brown, Inc.
555 17th Street, Suite 1850
Denver, CO 80202-3918

:
:
:

Oil and Gas
See Below

Merger Recognized

Acceptable evidence has been received in this office concerning the merger of TBI Exploration, Inc. into Tom Brown, Inc. with Tom Brown, Inc. being the surviving entity.

For our purposes, the merger is recognized effective November 24, 1998.

The oil and gas leases identified below have been noted as to the merger. The list was obtained from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entities affected by the merger hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them. The affected leases are:

U-01190	U-01393D	U-02278	U-015630A
U-0129384	U-0149081	U-468	U-469
U-470	U-471	U-472	U-473
U-474	UTU-69447		

Lease UTU-75518 included in your list of affected leases is shown on our records as being held 100 percent by Van K. Bullock.

A rider to the current bond or a replacement bond should be filed in the Wyoming State Office to reflect the merger.

ROBERT LOPEZ

Robert Lopez
Group Leader,
Minerals Adjudication Group

cc: Moab Field Office
Vernal Field Office
MMS-Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Kristen Risbeck (Ste 1210), P.O. Box 145801, SLC, UT
Teresa Thompson (UT-931)
Irene Anderson (UT-932)

News Release

Unocal's Spirit Energy 76 completes equity trade with Tom Brown, Inc., for Rocky Mountain oil and gas assets

SUGAR LAND, Texas, July 6, 1999 -- Unocal Corporation's Spirit Energy 76 unit today said that it completed the previously announced trade of most of its Rocky Mountain oil and gas assets to Tom Brown, Inc.

Unocal received 5.8 million shares of Tom Brown, Inc., common stock (approximately 16.5 percent) and \$5 million for the properties. Subject to certain restrictions and conditions, Unocal has the option to increase its stock ownership up to 19.5 percent through open market purchases. The sale agreement also entitles Unocal to nominate one director to the Tom Brown board of directors.

Unocal said it expects the deal to be accretive to reserves and production in the long term as Tom Brown, Inc., applies its aggressive exploration and development activities to the Unocal assets. For the short term, the transaction will slightly dilute Unocal's reserves and production.

Tom Brown received most of Spirit Energy's Rocky Mountain assets. These include approximately 35 net wells that recorded first quarter 1999 net daily production of 29 million cubic feet of natural gas, 239 barrels of oil and 29,065 gallons of gas plant liquids. In addition, Tom Brown received proved reserves of 89 billion cubic feet equivalent of natural gas and about 65,000 undeveloped acres located in Colorado, Utah, Wyoming and North Dakota.

The assets also include the Lisbon Cryogenic Processing Plant located in Moab, Utah, that removes hydrogen sulfide, carbon dioxide and nitrogen from the natural gas produced in southeastern Utah. The plant markets residue gas, natural gas liquids and molten sulfur and is one of only seven plants in the United States that produce liquid helium.

The effective date of the transaction was Jan. 1, 1999. This resulted in a net cash payment to Tom Brown reflecting the net operating results of the Unocal properties since the effective date.

The Tom Brown stock received by Unocal is unregistered and subject to certain restrictions on transfer. Tom Brown's common stock closed Friday at \$14.9375 on the NASDAQ.

Tom Brown, Inc., is engaged in the exploration for and the acquisition, development, production and sale of natural gas and crude oil in the U.S. The company reported first quarter 1999 net production of 119 million cubic feet equivalent per day of natural gas and net reserves (year-end 1998) of more than 406 billion cubic feet equivalent.

Spirit Energy 76, Unocal Corporation's U.S. Lower 48 exploration and production unit, has major operations onshore in Texas and Louisiana and on the Gulf of Mexico shelf, in addition to a significant presence in the Gulf of Mexico deepwater. Unocal is one of the world's largest independent oil and gas exploration and production companies, with resource development, power plant and pipeline projects in Asia, the U.S. Gulf of Mexico region and Latin America.

Forward-looking statements regarding business transactions, market activity, reserves and future production in this news release are based on assumptions concerning market, competitive, regulatory, environmental, operational and other considerations. Actual results could differ materially as a result of factors discussed in Unocal's 1998 Form 10-K report filed with the Securities and Exchange Commission.

SeventySix Home Page | Newsline 1999 Index

DARLENE JORDAN
Tom Brown, Inc.
P. O. Box 2608
Midland, Texas 79702
(915) 688-9472
(915) 682-9171 (fax)

facsimile transmittal

To: Kristen Risbeck Fax: 801-359-3940

From: Darlene Jordan Date: 09/16/99

Re: BLM Sundry Notice Pages: 2

Federal 14-18, Emery Co., UT

CC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Kristen,

Attached is the 3160-5 BLM Sundry Notice you requested on the Federal 14-18 well in Emery Co., Utah.

Is there any other information you need from us? If so, please call me at 915-688-9472.

Very truly yours,



Darlene Jordan

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill, or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT TO DRILL" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other:

2. Name of Operator Darlene Jordan
TOM BROWN, INC. Phone: (915) 688-9472

3. Address and Telephone No.
P. O. Box 2608, Midland, Texas 79702

4. Location of Well (Footage, T, R, M, or Survey Description)
660' FSL & 651' FWL
Lot 4, Section 18, T-25-S, R-6-E

5. Lease Designation and Serial No.

U-33011 U-69447

6. If Indian, Allote or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

8. Well Name and No.

FEDERAL 14-18

9. API Well No.

43-015-30060

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

EMERY CO., UTAH

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Surface Casing/Cementing
☒ Other:

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

Operator Name Change

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form).

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.

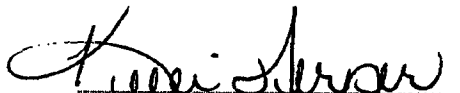
If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)*


Operator Name Change:

Old Operator Name: TBI Exploration, Inc., P. O. Box 2608, Midland, TX 79702

New Operator Name: Tom Brown, Inc., P. O. Box 2608, Midland, TX 79702

Effective Date: January 1, 1999


Kelli Werner, TBI Exploration, Inc.


Darlene Jordan, Tom Brown, Inc.

Signed:


(This space for Federal or State office use)

Title: Production Analyst

Date:

September 16, 1999

Approved by:

Title:

Date:

Conditions of approval, if any:

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing:

1-KDR ✓	6-KAS ✓
2- GLH	7-SJ ✓
3-JRB ✓	8-FILE
4-CDW ✓	
5-KDR ✓	

☐ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☒ Operator Name Change Only (MERGER)The operator of the well(s) listed below has changed, effective: 1-1-99

TO: (new operator) TOM BROWN INC.
 (address) P.O. BOX 2608
MIDLAND TX 79702
DARLENE JORDAN
 Phone: (915) 688-9472
 Account no. N9885

FROM: (old operator) TBI EXPLORATION INC.
 (address) P.O. BOX 2608
MIDLAND TX 79702
 Phone: (915) 688-9472
 Account no. N2990

WELL(S) attach additional page if needed:

Name: <u>FEDERAL 14-18 (TA)</u>	API: <u>43-015-30060</u>	Entity: <u>00436</u>	S <u>18</u>	T <u>25S</u>	R <u>6E</u>	Lease: <u>U-69447</u>
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- 1 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 9.16.99)*
- 2 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 9.16.99)*
- 3 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) yes If yes, show company file number: #219486
- 4 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- 5 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(9.16.99)*
- 6 6. **Cardex** file has been updated for each well listed above.
- 7 7. Well **file labels** have been updated for each well listed above. **new filing system*
- 8 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(9.16.99)*
- 9 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- ☒ 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- ☒ 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- ☒ 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- ☒ 2. A copy of this form has been placed in the new and former operator's bond files.
- ☐ 3. The FORMER operator has requested a release of liability from their bond (yes/no) _____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- ☒ 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- ☒ 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 __, of their responsibility to notify all interest owners of this change.

FILMING

- ☒ 1. All attachments to this form have been microfilmed. Today's date: 24 Jan, 2000

FILING

- ☐ 1. Copies of all attachments to this form have been filed in each well file.
- ☐ 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil
☐ Well
☒ Gas
☒ Well
☐ Other

2. Name of Operator

TOM BROWN, INC (970)-257-0810

3. Address and Telephone No.

2764 Compass Drive, Suite 203, Grand Junction, CO 81506

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**600 FSL, 651 FWL
Sec 18 - T25S - R6E**

5. Lease Designation and Serial No.
US 3011

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal 14-18

9. API Well No.

43-015-30060

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Emery, Utah

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment
☐ Recompletion
☒ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

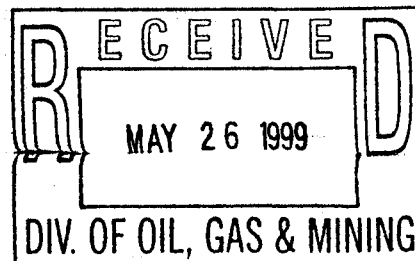
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. MIRU, bleed off well, install BOP's
2. RIH in hole w/ cement retainer & tubing, set retainer @ 3900' +/-, roll hole w/ fluid
3. String into retainer,
 - a) If rate is established, squeeze 40 sx cements into perfs, leave to sx cement on top of retainer.
 - b) If rate cannot be established, leave 50 sx cement on top of retainer.
4. POOH w/ tbq. RIH & perforate 4-way squeeze holes in casing @1500' +/-.
5. RIH w/ retainer & tbq, set cement retainer @ 1400' +/-, pump 100 sx plug into retainer.
6. POOH w/ tbq,
 - a) pump 10sx surface plug in 4 1/2 "
 - b) pump 10sx surface plug in 4 1/2 " - 7" annulus @ surface.
7. Reclaim location to BLM specifications.

Accepted by the
Utah Division of
Oil, Gas and Mining

COPY SENT TO OPERATOR
Date: 6-3-99
Initials: CAD

Date: 5-26-99
By: RSH



14. I hereby certify that the foregoing is true and correct

Signed

Title **Completion Foreman**

Date **05/21/99**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instruction on Reverse Side**

Notice of Intent to Abandon -- Plugging Procedure
Tom Brown, Inc.
Federal No. 14-18
U-69477
Section 18 T25S, R6E

CONDITIONS OF APPROVAL

1. This approval supercedes the Notice of Intent to Abandon that was approved for this well on July 15, 1999. Either method, however, is acceptable to BLM.
2. Notify Mike Kaminski of the BLM Price Field Office at 435-636-3640 at least 24-hours prior to commencing plugging operations.
3. Cementing shall start with the outermost annulus and work in toward the production (4½") casing, so access down the production casing is available in case of cement bridging.
4. If circulation is not achieved, or if the cement falls after pumping, additional cement shall be pumped to bring the cement level back to surface.
5. Mike Kaminiski can answer any questions you might have regarding surface reclamation.
6. Within 30-days of completing the plugging procedure, submit a *subsequent report of abandonment* (sundry notice form) to the BLM, Moab Field Office. The report shall describe and include details of the work that was done, including: location of plugs, cement volumes, cement slurry composition, dates of work, problems encountered, etc.

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

UTU 69447

6. If Indian, Alaskan or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Fed 14-18

9. API Well Number:

43-015-30060

10. Field and Pool, or Wildcat:

Wildcat

Country: Emery

State: UT

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

Tom Brown Inc.

3. Address and Telephone Number:

2764 Compass Dr Suite 203 Grand Jct, CO 81505

4. Location of Well

Footage:

600 FSL 651 FWL

OQ Sec., T., R., M.:

Sec 18 - T25S R06E

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- ☒ Abandon ☐ New Construction
☐ Repair Casing ☐ Pull or Alter Casing
☐ Change of Plans ☐ Recomplete
☐ Convert to Injection ☐ Reperforate
☐ Fracture Treat or Acidize ☐ Vent or Flare
☐ Multiple Completion ☐ Water Shut-Off
☐ Other _____

Approximate date work will start 10/99

SUBSEQUENT REPORT
(Submit Original Form Only)

- ☐ Abandon ☐ New Construction
☐ Repair Casing ☐ Pull or Alter Casing
☐ Change of Plans ☐ Reperforate
☐ Convert to Injection ☐ Vent or Flare
☐ Fracture Treat or Acidize ☐ Water Shut-Off
☐ Other _____

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1. Pump min 175sx cement down 7'-9 5/8" annulus

2. Pump min 265 sx cement down 4 1/2" - 7' annulus

3 Pump min 190sx cement down 4 1/2" csg

4 Reclaim location per BLM specifications

* Volumes are figured w/ 20% excess, cement designed to have a 700# compressive strength in 24 hrs

13.

Name & Signature: _____

Title: Foreman

Date: 10/28/99

(This space for State use only)

Federal Approval Of This
Action Is Necessary

(429)

Accepted by the
Utah Division of
Oil, Gas and Mining

(See Instructions on Reverse Side)

Date: 11-1-99

By: [Signature]

COPY SENT TO OPERATOR
Date: 11-2-99
Initials: [Signature]

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

UTU 69447

6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Fed 14-18

9. API Well No.

43-015-30060

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Emery, Utah

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Tom Brown Inc

970-257-0810

3. Address and Telephone No.

2764 Compass Dr. Suite 203, Grand Junction, CO 81506

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

600 FSL 651 FWL

Sec 18-T25S-R6E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment☐ Recompletion☒ Plugging Back☐ Casing Repair☐ Altering Casing☐ Other☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut-Off☐ Conversion to Injection☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Pump min 175 sx cement* down 7" x 9 5/8" annulus (7" x 8 3/4" open hole annulus f/ 26' to 1853')
2. Pump min 265 sx cement* down 4 1/2" x 7" annulus (4 1/2" x 6 1/8" open hole annulus f/ 3113' - 3800' +/-)
3. Pump min 190 sx cement* down 4 1/2" esg.
4. Reclaim location per BLM specifications

* Volumes are figured with a 20% excess, cement to be 700* compressive strength in 24 hrs.

RECEIVED
MOAB FIELD OFFICE
1999 OCT 19 A 10:22
DEPT OF THE INTERIOR
BUREAU OF LAND MGMT

14. I hereby certify that the foregoing is true and correct

Signed

Jerry Holder

Title

Foreman

Date

10/19/99

(This space for Federal or State office use)

Approved by

Conditions of Approval, if any:

Title

Assistant Field Manager,

Division of Resources

Date

10/21/99

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

**STATE OF UTAH
DIVISION OF OIL, GAS AND MINING**

5. Lease Designation and Serial No.

UTU69447

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Well Name and Number

Federal 14-18

9. API Well Number

43-015-30060

10. Field and Pool, or Exploratory Area

Wildcat

1. Type of Well

☐ Oil Well☒ Gas Well☐ Other

2. Name of Operator:

Tom Brown, Inc.

Contact:

Chris Mathewson

Phone:

303-260-5134

3. Address and Telephone No.

555 Seventeenth Street, Suite 1850, Denver, CO 80202

4. Location of Well

Footages: 600' FSL, 651' FWL

QQ, Sec T,R,M: Sec. 18-T25S-R6E

County:

Emery County

State:

Utah

11. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**NOTICE OF INTENT**

(Submit in Duplicate)

☐ Abandon☐ New Construction☐ Repair Casing☐ Pull or Alter Casing☐ Change Plans☐ Recomplete☐ Convert to Injection☐ Reperforate☐ Fracture Treat or Acidize☐ Vent or Flare☐ Multiple Completion☐ Water Shut-Off☐ Other

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

☒ Abandon*☐ New Construction☐ Repair Casing☐ Pull or Alter Casing☐ Change Plans☐ Recomplete☐ Convert to Injection☐ Reperforate☐ Fracture Treat or Acidize☐ Vent or Flare☐ Water Shut-Off☐ OtherDate of work completion 12/4/1999Report results of Multiple Completions and Recompletions to different reservoirs
on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

12. Describe Proposed or completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones.

Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days

following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, A form 3160-4 shall be filed once

testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has

determined that the site is ready for final inspection.)

The Federal 14-18 was P&A'd on 12/4/99 with the following procedures:

Pumped 175 sx cement down 7"x 9-5/8" annulus. Final pressure 250 psi. Cement at surface.

Pumped 6 BBLS down 7" x 4 1/2" annulus @ 1200 psi w/no bleed off.

Pumped 180 sx down 4 1/2" production csg. Final pressure 650 psi. Cement at surface.

Permission was received for this procedure from Mike Kaminski, BLM, Price, Utah.

Note: No gas pressure was encountered on any annulus or production string.

13.

Name (Printed/Typed)

Chris Mathewson

Title

Engineering Technician

Signature

Chris Mathewson

Date

10/24/2001

(This space for State use only)

RECEIVED**OCT 31 2001****DIVISION OF
OIL, GAS AND MINING**

**STATE OF UTAH
DIVISION OF OIL, GAS AND MINING**

5. Lease Designation and Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

6. If Indian, Allotte or Tribe Name

7. Unit Agreement Name

8. Well Name and Number

1. Type of Well

☐ Oil Well☐ Gas Well☐ Other2. Name of Operator: EnCana Oil & Gas (USA) Inc.
(successor in interest of Tom Brown, Inc. effective 1/1/05)Contact: Jane Washburn
Phone: 720/876-5431

9. API Well Number

3. Address and Telephone No.

370 Seventeenth Street, Suite 1700, Denver, CO 80202

10. Field and Pool, or Exploratory Area

4. Location of Well

Footages:

SEE ATTACHED LIST OF WELLS

County:

QQ, Sec T,R,M:

State:

11. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)☐ Abandon☐ New Construction☐ Repair Casing☐ Pull or Alter Casing☐ Change Plans☐ Recomplete☐ Convert to Injection☐ Reperforate☐ Fracture Treat or Acidize☐ Vent or Flare☐ Multiple Completion☐ Water Shut-Off☐ Other**SUBSEQUENT REPORT**
(Submit Original Form Only)☐ Abandon*☐ New Construction☐ Repair Casing☐ Pull or Alter Casing☐ Change Plans☐ Recomplete☐ Convert to Injection☐ Reperforate☐ Fracture Treat or Acidize☐ Vent or Flare☐ Water Shut-Off☒ Other

Change of Operator

Approximate date work will start _____

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs
on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. Describe Proposed or completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones.

Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, A form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

N9885

N2175

The merger of Tom Brown, Inc. with EnCana Oil & Gas (USA) Inc. was effective January 1, 2005.

It is, therefore, requested that the Operator of all properties on the attached list be changed from Tom Brown, Inc. to EnCana Oil & Gas (USA) Inc.

RECEIVED

JAN 27 2005

DIV. OF OIL, GAS & MINING

13. Name (Printed/Typed) Jane Washburn	Title Operations Engineering Tech
Signature <i>Jane Washburn</i>	Date 01/24/2005

(This space for State use only)

APPROVED

2/24/05

ER

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

well_name	sec	twsp	rng	api	entity	lease	well	stat	flag	unit_name	lease_num	qtr_qtr	td_md	d_apd	op_no
BIG INDIAN 36-42	36	290S	240E	4303731827		State	GW	APD			ST-UT-37067	SESW		5750	N9885
FEDERAL 14-18	18	250S	060E	4301530060	436	Federal	NA	PA			UTU-69447	SWSW			N9885
NW USA D-1 (B-624)	24	300S	240E	4303716516	99990	Federal	WD	A			UTU-070034	NENW			N9885
FEDERAL 15-25	25	290S	230E	4303730317	4776	Federal	GW	S			UTU-986	SWSE			N9885
BIG INDIAN 35-24	35	290S	240E	4303731829	14409	Federal	GW	DRL	C		UTU-077077	SENE			N9885
BIG INDIAN 27-34	27	290S	240E	4303731828		Federal	GW	APD	C		N9885				
BIG INDIAN UNIT 1	33	290S	240E	4303716219	8122	Federal	OW	S		BIG INDIAN	UTSL-067131	SENE			N9885
BIG INDIAN 4	14	300S	250E	4303716221	8124	Federal	GW	TA		BIG INDIAN	UTSL-089097	SWSW			N9885
BIG INDIAN 34-11	34	290S	240E	4303731818	14004	Federal	D	PA	C	BIG INDIAN	UTU-014905	NWNW			N9885
BULL HORN U 10-43	10	300S	250E	4303731831	14393	Federal	GW	DRL	C	BULL HORN	UT-73190	SWSE			N9885
LISBON B-615	15	300S	240E	4303715123	8123	Federal	OW	P		LISBON	UTU-09179	NENW			N9885
LISBON FED 2-21F	21	300S	250E	4303715768	410	Federal	GW	S		LISBON	UTU-094674	SENE			N9885
LISBON B912	12	300S	240E	4303715769	8123	Federal	OW	S		LISBON	UTU-06922	SESW			N9885
LISBON A-713A	13	300S	240E	4303716236	8123	Federal	GW	PA		LISBON	UTSL-070034	SWNW			N9885
LISBON A-715	15	300S	240E	4303716237	8123	Federal	WD	A		LISBON	UTU-020691A	SWNW			N9885
LISBON B-613	13	300S	240E	4303716240	8123	Federal	OW	S		LISBON	UTSL-070034	NENW			N9885
LISBON C-69	09	300S	240E	4303716245	8123	Federal	OW	S		LISBON	UTU-09179	NWNE			N9885
LISBON C-94	04	300S	240E	4303716247	8123	Federal	OW	S		LISBON	UTU-66582	SWSE			N9885
LISBON UNIT D-84	04	300S	240E	4303716250	8123	Federal	OW	P		LISBON	UTU-015445	NESE			N9885
LISBON D-89	09	300S	240E	4303716251	8123	Federal	OW	P		LISBON	UTU-015445	NESE			N9885
NW LISBON USA B-1 (B-614)	14	300S	240E	4303716468	8123	Federal	OW	P		LISBON	UTSL-070008A	NENW			N9885
NW LISBON USA A-2 (D-810)	10	300S	240E	4303716471	8123	Federal	GW	P		LISBON	UTU-14903	NESE			N9885
LISBON B-84	04	300S	240E	4303730054	8123	Federal	OW	S		LISBON	UTU-09179	NESW			N9885
LISBON B-814	14	300S	240E	4303730082	8123	Federal	OW	S		LISBON	UTSL-070008A	NESW			N9885
LISBON C-99	09	300S	240E	4303730693	8123	Federal	OW	P		LISBON	UTU-09179	SWSE			N9885
LISBON B-94	04	300S	240E	4303730695	8123	Federal	OW	S		LISBON	UTU-015445	SESW			N9885
LISBON C-910 I	10	300S	240E	4303731805	12892	Federal	D	PA		LISBON	UTU-0141903	SWSE			N9885
LISBON D-616	16	300S	240E	4303715049	8123	State	OW	P		LISBON	ML-13692	NENE	9120	9120	N9885
LISBON B-616	16	300S	240E	4303716242	8123	State	OW	S		LISBON	ML-8366	NESW	8689	8689	N9885
BELCO ST 4 (LISBON B-816)	16	300S	240E	4303716244	8123	State	WD	A		LISBON	ML-8366	NESW	8730	9100	N9885
LISBON UNIT D-716	16	300S	240E	4303731034	8123	State	OW	P		LISBON	ML-13692	SENE	8794	8775	N9885
LISBON U B-610	10	300S	240E	4303716469	8123	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	NENW			N9885
LISBON U B-610	10	300S	240E	4303716469	9740	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	NENW			N9885
LISBON U D-610	10	300S	240E	4303730694	9740	Federal	GW	P		LISBON (MCCRACKEN)	UTU-014903	NENE			N9885
LISBON UNIT A-911	11	300S	240E	4303731014	9740	Federal	GW	P		LISBON (MCCRACKEN)	UTSL-070008A	SWSW			N9885
LISBON C-910	10	300S	240E	4303731323	9740	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	SWSE			N9885
LISBON B-614A	14	300S	240E	4303731351	9740	Federal	OW	TA		LISBON (MCCRACKEN)	UTSL-070008A	NENW			N9885
LISBON B-810	10	300S	240E	4303731433	9740	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	NESW			N9885
LISBON (MCCRACKEN) D-615	15	300S	240E	4303731817		Federal	OW	LA		LISBON (MCCRACKEN)	N9885				
LISBON (MCCRACKEN) A-610	10	300S	240E	4303731821		Federal	OW	LA		LISBON (MCCRACKEN)	N9885				

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"TBI PIPELINE COMPANY", A DELAWARE CORPORATION,

"TBI WEST VIRGINIA, INC.", A DELAWARE CORPORATION,

"TOM BROWN, INC.", A DELAWARE CORPORATION,

WITH AND INTO "ENCANA OIL & GAS (USA) INC." UNDER THE NAME OF "ENCANA OIL & GAS (USA) INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-SECOND DAY OF DECEMBER, A.D. 2004, AT 6:15 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2005.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2137895 8100M

040934710

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3584585

DATE: 12-29-04

State of Delaware
Secretary of State
Division of Corporations
Delivered 06:15 PM 12/22/2004
FILED 06:15 PM 12/22/2004
SRV 040934710 - 2137895 FILE

**STATE OF DELAWARE
CERTIFICATE OF MERGER OF
DOMESTIC CORPORATIONS**

Pursuant to Title 8, Section 251(c) of the Delaware General Corporation Law, the undersigned corporation executed the following Certificate of Merger:

FIRST: The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., and the names and jurisdictions of the corporations being merged into this surviving corporation are as follows:

<u>Name</u>	<u>Jurisdiction of Incorporation</u>
Tom Brown, Inc.	Delaware corporation
TBI Pipeline Company	Delaware corporation
TBI West Virginia, Inc.	Delaware corporation

SECOND: The Agreement and Plan of Merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations.

THIRD: The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., a Delaware corporation.

FOURTH: The Certificate of Incorporation of the surviving corporation shall be its Certificate of Incorporation.

FIFTH: The merger is to become effective on January 1, 2005.

SIXTH: The Agreement and Plan of Merger is on file at 950 17th Street, Suite 2600, Denver, Colorado 80202, the place of business of the surviving corporation.

SEVENTH: A copy of the Agreement and Plan of Merger will be furnished by the surviving corporation on request, without cost, to any stockholder of the constituent corporations.

IN WITNESS WHEREOF, said surviving corporation has caused this certificate to be signed by an authorized officer, the 17th day of December, A.D., 2004.

ENCANA OIL & GAS (USA) INC.

By: Mary A. Viviano
Mary A. Viviano, Secretary

3. FILE

Designation of Agent/Operator

Merger

1/1/2005

Phone: 1-(720) 876-5068

Unit:

[illegible]

n/a

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 2/24/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/24/2005
3. Bond information entered in RBDMS on: 2/24/2005
4. Fee/State wells attached to bond in RBDMS on: 2/24/2005
5. Injection Projects to new operator in RBDMS on: 2/24/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT1005

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: n/a

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number RLB0007875
2. The FORMER operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

Merger and rider of bond from Tom Brown, Inc.